



1645

SEQUENCE LISTING

<110> Mendrick, Donna  
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<120> Molecular Toxicology Modeling

<130> 44921-5038-US

<140> US 09/917,800

<141> 2001-07-31

<150> US 60/222,040

<151> 2000-07-31

<150> US 60/222,880

<151> 2000-11-02

<150> US 60/290,029

<151> 2001-05-11

<150> US 60/290,645

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<213> Rattus norvegicus

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gattcttctg caaacaacaa cacagacagg tagttaggct gcagcggctg caggctggcc 360
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gggagtggct ggtgccaaagt tttcaccccc tcgcccggat gaggtgtcag tgatctacca 540
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<210> 22

<211> 616

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA799744

<400> 22

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tcttctcaat aatttataac atgggggaaa aaaagcacia aaaaaaata aatattgaaa 180
tgaaattgcc aagtggcagg cggctgagga tgccaggcct cggcatgac ggcatgtgtc 240
cctgacacct tttgaaatag ttaaagcttg ctttaagaag tcagaggaac aagacagaaa 300
actcactttt atcttttaaa aaaaacatcc atatattatt aagttgtgac aatgaaattt 360
cagtgacacg aagccatggg gcatgtcac acccttccca gccccctcct ggcagggtgtc 420
ctctgcagggt gctccagtgg tactgacagc cctgtctccc ctggccgcca agagtatggg 480
gcctccaccc aggaggacca ccagaggcca ggagcgggca gcaagccagt cagtgggtcac 540
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ctgatggagg ctggtg 616
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<210> 23  
<211> 567  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA799766

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ttctcacagg acttaagcca ccgctgcaca ttggtgggcg ctgccccact gcttccccca 180  
gtctgctgga gcacggacca cagcaccaca tctgccacag tgagctcatt cccaaccaac 240  
cacgggcttt tccccaaagc ggagttcata gagcggaaaa cagccgcttt ttccttactg 300  
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acagcgttat gcttctgacc aaatagagag aacaggaagc gtgcgatgtt ccttctcct 420  
tcaatggggc acatcgtttg taccctgaac ttcatctgtg tcttgggcac gttcttccaa 480  
atcagagtga agcccagctg atactcgtgg cgggactgtt ttctagcctg ctccccgaag 540  
cacttgagaa gattctcagg tacattc 567

<210> 24  
<211> 556  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA799803

<400> 24  
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tggattctaa cccaatgaat gctggcttca gttttcatct ccaatctctt tcttgatcca 180  
gtcaacataa ttcagtaact tgggtgtaaaa gccgtatccc tcaccacacc caatgcccc 240  
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cccactgtcc ccctggcagg cgtcatgctt gagagttggg tccccagaac agaacatatt 360  
ttgagaaaat acatcattac tgtttttcgt ccggagccac ctctggcatg cctctcgatc 420  
ggctatgggc agacggacaa acctgagatt aaaagctatt ttatcttctg ttatcccgaa 480  
gccgctgaca taaccataa ggtctttgtc ataaaaggtc tcattgtctg ggagacagat 540  
ggggaggagg ttggga 556

<210> 25  
<211> 582  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA799804

<400> 25  
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tgtagcttg ctgtgatcag aaggatagcg ctttgctgta atttatttaa aatgtacct 180  
acagcttccc tcacagtaac ttgactgaaa ttacaacagg aaaagaaacc cagcatttat 240  
tcctaggttt agacataacc cacacaaagt tccaactata tggcttctat actttttcgt 300  
gaaggtgcgc aaaagaaatt cggatctcac ttttagacca gaatttcaga tgcaataagg 360  
caacctctga agtccaaagt tcaatgaatg cacaacagtt caagcagcag ataccacctc 420  
agaggaaata tttagtttgc ttctttgttt ccctccagtg ttaatcctgc taatgtctgc 480



taagggtcaac catgactgga acacatgctg ctgatccagt tgttcaagac cagcctgggc 540  
aacacggcga gacactgcct cagaacaagg agtgaaaaca ga 582

<210> 26  
<211> 500  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA799812

<400> 26  
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gtttatatct agatagcctg attctctcct ctgaaatgaa atggagacca ttgtaacct 180  
gggtgaacga acacacttgt tcttctgtat agacatgaat tctttacata aactcaacat 240  
taatttgaat caagttagga atcctgagaa agtcacccac ctacaggcat acaaagacac 300  
acacagacag acacacacac agagacagac agacaggcag gcagacacac acacacacac 360  
gcacgcacca ctcttgagaa gcagtgtttc tcatggacac ttactagaag gtcattttctc 420  
agaagggtct aaaattctga atatttggat gctatcatcc ccccgcccc aagaaaatcg 480  
tcttgtttca agtgtgacag 500

<210> 27  
<211> 612  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA800059

<400> 27  
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gaccctgcac ggaggtggtg atgggggctt acaggcatag ggcattggtg agggagtgg 180  
atgaccgccc cccccaca cagcccagac cttttaagct actaggtctt tcctctgtaa 240  
gagggagagt cctgggtgac aggagtccct gggacctcat caccttcctc ctaagtcccc 300  
ttctcttgcc cggggagaca agcaaaactg aaccgtaacc tgctaaacca gcctcaatct 360  
ctgtgctcgg tggatggtga ctaggcactt aaattgtgtg gccagtgcaa caggggaatg 420  
atttccaatc acatagtcaa atggactgat tgatacaacc acatgacgtc actgtattgg 480  
ctcatgcatc tagagagcct gggagaagca aaccataagg tcctgggcag aacccccggc 540  
acaaagcaaa tgcggttata ttcagggtcc taagtcaggc caactcattt ccaagaagga 600  
ccaatgtcat gg 612

<210> 28  
<211> 599  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA800169

<400> 28  
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attatcatca agatgggaaa catgggcagt actggcactg ctgagagtcc tacatcttgt 180  
tccaaaggaa accagaagac tgtcttccag gcagctagga gaaggctctc aagctcactt 240  
ccacagtgtc gcacttcttc caacaagtcc acactactaa tagtgccatt ctctgggcca 300

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agcatattca aacacatgag tcgatggggg ccaaacctct tcaaaccact acaagtagaa 360
ttctcatgaa atatgacttc atgattgcta gactctaata caggatTTTT catcttTgtct 420
tttactattc tcagtataat caaacactga aatatttact tatgtgacta tataagtcac 480
acacaaaaat gttaaactaac attaattagg aaaattttca agataaatta cttagaaata 540
atTTTTataa tcccaacact taggaggcaa aaagcaagta agtgtaactt ttttcccc 599

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<210> 29

<211> 613

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800243

<400> 29

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cctgggtacc accaccaaac cccgttcctt cctctgacat cccacagcct gtaacagatg 180
gtagagaatt tgcgtgaaag ctgggtccct ggacctctgt atctgtgatc tgattacatg 240
aaccagcctt tggcgctagc cttgggggat ggctgctctt ctgtgtcacc cagtgtcctg 300
agcacataag cgcccgcata aaccaggaac tgtccgggtca cctgggcagc ataggatgcg 360
aaccgcagca gactccttaa caaggccttg aagcttTgtgc agcggaatc atacgacact 420
gagtacatct catacatggg ggctttgaca ttgagacagc cgaggaagtc cttgggattc 480
agcctgtata ggtcgaagggt gactctgggt attcctgact tctttgtttg tgtgcagaca 540
tacttattgc ccggtgtcca tttctgtccc ttttccaaga tcatgaagtg tgtgttTgtct 600
cttaggtct gaa 613

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<210> 30

<211> 560

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800318

<400> 30

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gccagttcct aaggctggaa gtggctaggg caggcagtg gaggaaata gctggatgag 180
ctgaagcttg ggtggcagtg cttactcaag cctgactcct gcctgtctca ggccctgggg 240
tcatatacac ggcccatgaa gactgggaac ttgtgtcgtc ggtcccagag caggaagagg 300
aaaggctgct gcacctcaaa gatgagtaag tttcgggcca cggagatggt ggaggctgcg 360
gctgcttcca cacctgtctc tgtcagttcc aacaccgtct cgtgtttcat ggaagacacc 420
tgaagatctg ggtcctcagt cagcccacac aggttgagat cgtaagtga gtcaaagaat 480
tccagtttct ccatgattga cagcatgtct tggatgctct ttactttaat gcgaggcatc 540
atcacgtaag tgggctgaaa 560

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<210> 31

<211> 560

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800339

<400> 31

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gcaatgttga ggtctactgt tacaaaatcc aagttaatat ttcccttacc tagatgctca 120
agagagcagt ctagctttgt tattttccac cccctcccta gaccagctc agaagttgct 180
cgggactact agctaccatc tgcttaacct tctcaggcaa gagcctagge agcttctagt 240
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ctgaactgtc cattcgggtc attcattccg ctaaaccgtt cataaaatta agagtattct 480
gaatggccta tgtctttctt ctctccccag gactcctaga agcctgcact ttccacaaaa 540
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<210> 32

<211> 678

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800429

<400> 32

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tattgaacaa gcttctgctt tatttattgc aaatgttact ggatgacttt ctaggtaaag 180
tgttcagggt tggagctgta tgaaatctgt aatcctagat ctgtcttttag gaaaccaata 240
ctgttgacaga ctctcctgtg gtataactaag cctcaaaatg acctcttctt aaaaggacct 300
accaaagtgt tacttgggtc tggagagaag gttcagtagt tactaactag cacctgttct 360
atagacccca tattccattc ccaccacca tatggttcaa agccaacagg aattcaaatg 420
tcatagtacc ttacaccccc tgctggcctc tcttggcact acagagacac atgcaaatga 480
agccctgata ctcatcaaat aaaatttaagg attaaagaca aattttgggt tcatgaaatg 540
aattctactt ccattcaaca ttttacaaag aataatggga ttcactcatt ttcataatta 600
gcctttggag gcagatataa gaatttaatt tatgttttga tagtacagaa taaagactct 660
aaatatgttc tcacacaa

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<210> 33

<211> 572

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800551

<400> 33

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aacactttgt aatcagtata ttagacagtc atacatttca gtaactgctt aaattctgat 60
aaccagattt aagcatgtaa gcatgtgact tcaaaacata caacaaatct attcataatt 120
tgctatacta ccaacattaa attgcagtta cggtggagcc taagttgaat agaaagcctg 180
taacagaccc aaggaacgcc tttcctggac tatacatgca aatcacctct caacatacag 240
atctcacttt aatttgtaag ttacttgggc tttggaagtc actacacca agcaagggcc 300
tttgggaagg ggaaaaaggt gatgttttca gtttatatat atatatttat attttaaattg 360
gcacagcaga agggaatgca atctagaaga gcaagccctt aagcagtagc ttatgataaa 420
cttttaggaat gtatcatttc tatcactaat atcacaggcg aaatgtatta tgccaccttc 480
tagtaatggc tgaggcaata caatgcaaag gcatacaca tagttcactt caacaactag 540
acagaccaac atgtaactaa ttgttttctt tt

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<210> 34

<211> 551

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800576

<400> 34

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tgcaaggcca gagctacagt ggcaagctgc atgtggctgc gcgccaaagc tcagtgggtgc 180
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cttaccacaa cctgcattaa tttataaagt gagatcctaa gtcaaacatt cacagaaagg 360
catattcact aggagctggc caggcagact gtctttctta gtgacctgtc tgctggctgt 420
tattatagtt agcattttaa aaaagggggg gactgaattt taaaatagag cacttggcgg 480
ggagagttaa tgtgtgcatg tgcggaagcc gctccctgca ctctgctgta ttcaacagtc 540
aacactgcac a 551
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<210> 35

<211> 610

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800739

<400> 35

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ttgtagtatg aaagggccat cataaatatac aaactgttat ctccggtttc tactcacagt 180
tgacttaaca attctccgct ccgatgaaag gaaaacagtg tatgaagaat cccaagtag 240
attccaaccg aagccacctg gtatttttgg agctgggtgct caatgcctca gcttatgcag 300
cacactcagg gtatggcaga ggcagttaag aaaatgagtc aaatttagca tctcagtact 360
acagtgcgct ttgcagacct tcggactatt tttcctagcc aaagtacagg ggaattcaga 420
caagagccac cgctgcagac cactatccca ttagtgcaaa ctctggttca gatactgaag 480
aaacatgttg gccaatgag gcaggttctc attgttggga tgcattttag tgtaggaaat 540
aaactggcga cggaggcgac tcaattctgc caaggtcaag ggacgggtaa atcggagggtg 600
ctccgtggtg 610
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<210> 36

<211> 359

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800797

<400> 36

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acagccagtc tttcagacat ggatggaagg ttggcggtca ttgttggtga ggttggttga 120
aggctgtgcc ttcagcttct ggttaaaactg cagtgaagta gcccagggtt agttgctgag 180
aatcatgttg caagcagaac catcgacat gctgaaactg gccacgagg ttgtgtggag 240
gctcctcctt aatacgatct gtggaaatga gcccggtggc ttcggaaga acgctgccag 300
taacgaaggc tccaggaagg ctccggtctc aggagctctg ccatgctgac cctcgtgcc 359
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<210> 37

<211> 495

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA800962

<400> 37

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tagctggggc agggatagag tatcaaaaag ggatgagttg agctgctgtg gctgtgggga 120
ttggctggaa gctgctggca ggttggagca gctggagccc tggcagggtg aaactgaggt 180
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ccctaagggt cgaaggcact tggagtcagg gagaggacac ggcttgcaat gggactgggc 300
aggaccaggc ccgggggttg gcaggcactt tggggagtgc tggggttggc agcttgggcc 360
ctgagcagcc cagaaggctt tggtagtggc aggcacagtc tctgggctgg gtctgcatta 420
aatacagggg tttcctcagt gctcgtctcg aagctctgaa ggcaagaact tgtactgctg 480
ctgccggatc tgggc 495
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<210> 38

<211> 560

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA801076

<400> 38

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gcgctgccaa atagtgtcac tgtactatct tatatcattc gaaatggaat tcaattctgt 120
aactaacaac tgtcctacta ggtgagagag aaagattatg tgagaaaatc agaataccat 180
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cctccaaagt gtcgcatga tggccttgca cttgggaatc aggttctgct cacttggaca 360
tccctgcgtc atggactctt gctgcccccg ttccatgtgc tcgcaattcc agctactgga 420
agccaccagg aatgctttct aattatcatt tgcaactaga actgtaatca gaaagaaaat 480
ttgtattttt gtataactcg attgtgtgcc attttatata acaggctctg ttttacaaat 540
aaattttggt ttactaactt 560
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<210> 39

<211> 437

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA801255

<400> 39

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tagtggaana tggtcttttg tctcaaaact ggatattgct acctgaagta ataaacaccc 180
caagccagaa acttggtcag tgctggcaac attttttgag tgtttgtgat ccaggaatcc 240
tagagtgacc gcctgccatt aagatttttc caaggacaga gtcaccccaa actcttggtt 300
aattaccaga taaccagatt ctttatcaga attatggaat aaaatatgta ctgtaacaaa 360
taatttttag aagaaaactg tttaagataa tgctcttaac attttttttt gcaaacattg 420
aagattacat tgaagaa 437
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<210> 40

<211> 485

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA801346

<400> 40

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ctgggttttg cctgtagcta ccacagccag ttctctggact gtacgtgtct gccagacgga 180
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tcagacgtcg gggcctgggt gccagagga cccagaaaac tgagggtccc gtctcagctg 360
ttaaacaggc tgtcctggag gccctgcctg gatctggggg tgctggagca gcatttcccc 420
cagggccacc cacccttttt tgtaaactctt gattgtaaat ccaatacagt tgtctttttc 480
actca 485
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<210> 41

<211> 416

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817685

<400> 41

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ggcttcggac agacagggtt atcttctgcc atgtagaggc gatacatcag agctaccacc 240
agggctgaga tggctgggat caccagttg gtccaccaac tagaaagaca catgagcaaa 300
gagatgtttg agtgaacctc agtgcagaga ccgcaccccc tctgatggaa aactaccaca 360
gcatattttc cttacctcta gaacctcttt ggctaaaagg atggctcagt tttgga 416
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<210> 42

<211> 454

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817688

<220>

<221> misc\_feature

<222> (1)..(454)

<223> n = a or c or g or t

<400> 42

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gtgggggaaa aaaaatcccg cagagtcaag aaaagtagac actttctctt cttttcttgt 120
ccagggtaac agtggttaac agtgtaaata gataaaaatc caagttggtt ttttgagaa 180
cgttgtctgc agactgccaa tcttgacgtt tctagagcca aggactcaga attccttctt 240
ctagatgacc gtaccacagt ggctctgcgc atccaagaca actcgtactt ctttctgcga 300
gtaaccactc cgtggctcgtg ggagagcgga ctgaaatcca cttcccagcg ctggaaagtc 360
agtggcttca ctttgataa ctccatctga agccttcttg gcatgtancg ctctggggag 420
cactgcggag gcgctggggt aggtgcggag cgctc 454
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<210> 43

<211> 429

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817695

<400> 43

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tttttttttt ttttattagt atggatttta tttcttaagt aattttttaca ttgtttaata 60
aatgaacaaa cattaaccct aaaattgtag ctgagttctc attgctatgg aagagtcaac 120
actgagttta caggaatgct tataaatttc attcaaatac agaaaatatt tcagcatcag 180
gataaatgac tatgcatatt caggtgattt attaatctag tacaacttcc attcttccac 240
atctgtagct ttggtgtact tgctttcgac cagagctggg caagcctgct ttggaaaaat 300
cactgaaaaa tcttcaactg gattatgccg atctttacat tatgcattac ccagtgccaa 360
tgaaggtagg tgattgcaat tgtcaaatgt acacatcttt tcagaaggac aggaatatca 420
tctttatga                                     429
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<210> 44

<211> 522

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817726

<400> 44

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gagttcactc aatacattaa caataagcaa atcatacaga tactgagggg aaggatgtcc 120
ccttgactac atacacatat atgtatctat tcttaagaac agcaatcaag aggttaacaa 180
taatggaagg aagaagtaga caggtaagtc actgccaaat aacacaagtt cataatgatc 240
ggttactcaa gtaacctggc aaatgcctgc tcagaattta catttacttt cctcattgac 300
tttcttgctt ttgtgtttca gtgaatttgg actaggtcca aaaactagac cttcaaaact 360
ccatctctca cattcagtg cgaagatggg catgaagggt gagtatactt gagaacatgc 420
atggtaacga atgtcaaaga gttttctcac agtgaccttt cccctgtctg cttcttccca 480
cacctttaga aatattttca tgcttctctt ggagacatta ga 522
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<210> 45

<211> 557

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817761

<400> 45

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tcattgtcca ccaaagggca tagaagcaga gcggccatgt gtggtgctgc cttttagttc 120
ttacaacaga gattctccag cttccagccc agctctgtcc cctgacctgc tgtgggttcc 180
ttgcacactc acgcctttca taaagaagga ggtacacaca gtagaacggg aggggtcggg 240
agaatgagca catggggtat tctgtgtgca tgggggacag aaaggctctgt ctgctccact 300
gagtgtcagc cactgcgatt ccaaacagaa aagaatgcaa gttgtcaaca agacacactg 360
tcctcaggag gagagatgat ctaagtcaat cgaaaaagaa cgatgggtta gtacccca 420
gttccccagc tgaggtgcca aagccataga taggattgta aacatgcggt tggaacaggt 480
tccatagaaa actcagtttc tcacggaaag cttgcacagg tgctttattg gctgtgtgtc 540
tctgaagagc aaggtta                                     557
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<210> 46

<211> 605

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817829

<400> 46

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tttttttttt ttttttttact tttaaaaata ctatttttatt tataactcatg tataaaaaatg 60
gctatcctgt cattttttata tacatactga taatggaaac aattcagtgt catgcatttc 120
aaccgtacaa agaacataat catggaagca cggttacagg ggaagcagaa gagtctgagt 180
agtgatttca ttctcactga ggagcggcac cctgaagaat cgagtccatt agtaacactc 240
accgcactga gagcagaggg gcgttagcga ttgtacttga ttattttttac tgagccattt 300
catcttcctc acagtgagaa gaaatacaat ataaccttaa taagaaaacg acctcattac 360
aatctcggta aaggtctacg gcttatggag tggagcagag ttcaggtgtg cttgcgggct 420
ccggcctcac cgtaccatcc cacctgatgt gctggacaga ggccgctctc tcatgcgccc 480
gcactaactc catgggagct gcaatagaat gaaccatttc tgtggcgctc ccaggtctca 540
ctgaggaaga aaagacttca tacacataaa tataacaatt gatctgtcta taaattatag 600
tggtat                                           605
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<210> 47

<211> 612

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817841

<220>

<221> misc\_feature

<222> (1)..(612)

<223> n = a or c or g or t

<400> 47

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ttaattttct tcccaaagaa ttgggaaacg aaaacatata atacaacagt aattttaagta 120
agcacatgac caaaacttcc tggatcacga accaacagga gatgtgaata gcctgtagat 180
atcaattcca acagctttac aaaatgtcat tcatctaagg cattttctgtg gttctcacgg 240
ccacatgttc acatacataa aggcctctat tcatggacag agagatacgt tctttaggag 300
cagtgggtgc aggaggcgaa agcagttaca cgcttagtta ctgagtaatt ttaaagagga 360
aatttggcgt tccaagaaac agttttgtac atccaaaaaa aaaaatcaat gataattttc 420
cacttggatt attttgtgat gcagactaca agaaaatcca tgctggatta tttgctttcc 480
aaaggccact ttcaaagtae agatttcgag tccagaacaa ataccacag cgagaacaaa 540
cagaacggct aagactctaa catttgccct catgtggctt tcctcctcnc tcgattctct 600
gacattttct ga                                           612
```

<210> 48

<211> 622

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817849

<400> 48

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tttttttttt ttttttttaca aagatttttta tttgggtcac agacgaagcc attcacttgg 60
tctgcttaaa aaagtagaga cacaatgatt tacatcttaa aatagtttcc ttgctccagt 120
tctacttaaa gatagcacag gagcagatcc gctctgcttg tcttgctggg ttataggggtg 180
caactcatcc tcctgggttc tggctgctgg gtacagggct gagagtgggg ttagggttgg 240
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```

aaaaaacatg gctgtgggta gcacgagttg gcttttgttg tgtttctttg cataggtggt 300
aggagccgag agcagctagg gtgaggatcc agaacacagg cttgacagtc cccatcctgt 360
ttgcctgcca ctggcctggg gcatcttgct tatctttgag gaagtcctag gaaatagttt 420
ctgtaatgca tcctgatttg aaatcagtga aagtgttttg gcagtgggaa aataacaatc 480
ccacttcaga gatctcacia acggaaaatt tgccctcgaa aaactccttt aaacgctaac 540
tgagacaaat gattccgtgg gcaaggagac tgtcagccag agctctgtaa aatgcattct 600
gctagttaac agttctttcc tt 622

```

<210> 49

<211> 493

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817921

<400> 49

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tttttttttt ttttttttaa gcagcagcaa aattttattc atgtgaactg ttaaaaatga 60
ccatctatac cagtgtcaaa tgaggaggagg aggggaaggc agggcagagc agggagacga 120
ggggaggagg gaggagtccc ctctactggt aataaagctc caggttcatc ccgtcgtgga 180
tctcatagtc tcccagagac acgtgggtctt taaaaatcgt gtaccacttt ttaagaacga 240
tcttattcca gcgggtgcca gtttgagccg ctatcagttt cttcaggtcg ccgatgggtgt 300
catcgggtgt gcacttaacg cggactttct ttccctagac gtcgttgcaa accacctcaa 360
tcattgtggc tggagccggc ttgacctccc gcaaccctta ggctcccaag tcttggcagc 420
ttcccgcgat ctccggcctc tccgttttagc cttctcacct ccaatgtcct cgaacctagc 480
gacctcgtg ccg 493

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<210> 50

<211> 386

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA817925

<400> 50

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tttttttttt tgcaattttg agatgtttta taagagtttg agcagctgca tccattcatg 60
ccctcttctg tgaggtagtg acagcccctt ttcagaaacc gtggtcactg ccttgctgca 120
ggcacggcag tcctcagaac gggcactgag acagcacctc atgcgtgtca ggtctttaat 180
tttttccctg ccagagcttt ttctttcttt gcttcgttgt tactgtgttt tttctgttta 240
acaattcaat tggcagaaaa atggctatcg ctgggtggaca ttagggttgc agtgaaaaaa 300
aaatccccct cccccaattc ttgcttgcca ccgtgggaga cgaggtgagg gttcctagag 360
gtttcccaac ccacctcaga gttcc 386

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<210> 51

<211> 565

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818039

<400> 51

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tttttttttt tttttttaca acttgatggt tattcttttg gaatgctagg ttcagcatta 60
caggatgggt gtcaaggcta cccgagtgtg acagacagac ttcacatctg ggtgctgcgg 120
agctccgagt tattaacaa accttgctct tgtacaactg aggtctgatg gttttaagtt 180
gatgcctggg tgcagggccca gacacaacct tagggatggt tcttacctgt acatacatat 240

```

```

atacaaatat attccacaaa tgttgtgtata catgggcatg tattaattta cgtggggaat 300
ttataaaatt atatatacat acacatacat gcatatctat atacagctcc ccaccctcac 360
cagtgaagctg ctgaagtagc tcgttagctc cgtgctcgat tattgctgtc tgggtataact 420
acatgattta gtgccaaagc cagacacatt ctctgggtg ggatgggtcac tgtcatatag 480
acacgtgtat ccttgtatgc cgtgtatgaa gagcattgct cccatgtgtc aggcattgcc 540
taccacagta aactgccttt accac 565

```

<210> 52

<211> 525

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818089

<400> 52

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tttttttttt ttttttgatt gttaaatttgt tcagaattcc ttcaacttta attgtggggg 60
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tggaacagat gagttattta ttagcacagg ttgtcacaag tcgccagctg ttctcattct 180
tccactgtct ccttcttgcc agtctcttgc ccttcaaaga gggggtacct ggcctccaca 240
tcagcccaag tgatgttgcc attggccaga tcacggacca cactgggcag ttcagagacc 300
tctgccctta tctgtctcat ggagtctcgg tccctcagag ttgcagtgtg ggggggtctt 360
ttcactgtat caaagtcaat ggtgatgcc aacgccacgc caatctcatc agttcttgca 420
tatcgccctc caatagaccc agaggaatcg tcaactttat gagacacgcc atttcgagtc 480
agagcttccg ataattcctt gacaaatggc ataaactctt ggttt 525

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<210> 53

<211> 482

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818105

<400> 53

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tttttttttt tttttttagg gagacagaaa cacaaaaatt taatacctat ttaacagaaa 60
tcacaacagg acacagatac aacactacag taaaatgggg tgaggtgaga aaggcaggac 120
acaagatgga tcacgacaac taaggagtg acttcttttg tgcccagggc ccttttacag 180
ctgacccatg gctccaagta atacggactg aggaagttca gcaagtggca gcatcaatga 240
gtggacctgg agcttattca gcataaatat tcaaggatgt ctagactcaa ggggtggagag 300
ggtcagcact gtaacaccag gagcagagtt cctacggtag atctcctcct cctaactacta 360
agaaggcagg tccctcatac cttggtcttt caagacatag cagcaccaca cccactgcc 420
ccaagcagct tcactctgct acaagcctct cctgcggaat gttttcagag tgattgaatc 480
ca 482

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<210> 54

<211> 535

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818107

<400> 54

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tttttttttt tttttttaag agtagacatc cttttattgt tcaaccggga cttcccagct 60
cgagggacag gaagcagcaa cggtggggct gaatacaggt gtctagacat gtcaggccga 120
ggtgttcttt gtagggtaga agccctacaa aggggtttgtc agagctgggc tgggacatag 180

```

```

cagatactgg gctggagttg agctgagtg c tgttggttaa tgaagggtgaa tatgagatat 240
ggtgaatgca aagtgagaac caggaagtgt ggagtgagcc caggctagta gcctaaccac 300
tcttagcagt cgactgactg agagagaagg actgggtgtga ctgattttta aacaaagcaa 360
aaggagctgg gaatgacggg aggccttgta caccagacct ataatcccag atacctggaa 420
gctgagacaa gagagtcgca agttcaaggc cagcttggac acgtgtcgag actctctctc 480
aaggtaaaaa taaaagagga ttgcaattta cttcagagtt tgactggcac cctgg 535

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<210> 55

<211> 567

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818123

<400> 55

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ggactccagt cagaccagaa ggctgccaat caaacttggt attggcagag acagcagcct 180
ctttgatctt cagaggtttg taaaagcttt ccaccctaatt ttctgagtat cataaaaagt 240
aaaaagcact tttattctgt ctttttcccc ttttaattttt ctttttttaa ccagcaaaag 300
gactacttat ttttatgact tcattttttat gagcacaaca gttctgtcaa ttacttagag 360
aaggaagccc tcagagatgt gtcagtgggt ctgaggtcca ccgaggccca caccaacagg 420
tgtggcattc catgctatca cttctacaaa gaaccatgaa gaatgcttgt agaccctatg 480
tacagcatat agtccacaca tgcttgatgt gcgtccatac cacgatccag taacagcaaa 540
gagaatcccc tcttgaaata aaaaaaa 567

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<210> 56

<211> 518

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818139

<400> 56

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tttttttttt tttttttaac tgcaagaata atttaattcc ataaaaggca aagcagaaat 60
gttaaaatatt gttggaaact cgcccccaa cattatctta acaaaaatat tggctgctga 120
taacaacat ttaaactct ttaggcact tgggtgaaaa gacactggag aatgaccacc 180
tactgactgc tataagcaag tggtagggat gaaggctggt ttctgtctta tcctttaccc 240
acgggcatca ctaacactga gaaacaacac caggacattg caccacatt gcaagacatt 300
ccagtgtatt ttaaaggagc cgggtggtag tgggtacaggc ctttaatccc agtacttggg 360
aggaagaggc aagcgatct ctgagagttc aaggccagac tgggtctacag agtgagttcc 420
agaatagcca aaggctcaca gagaaaccg gtgtcaaaac ccaaaaaaat ttggagaaat 480
tttatcagcg agtcaagact gacattgttt tcgtcaca 518

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<210> 57

<211> 363

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818158

<400> 57

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tttttttttt tttttctgat taaaacaata caacattcta agatgtcttt tgtttatttt 60
attgtttatc ttctaatagc ccacagaaga gactgaaaat agttgtgggc taatcttaaa 120

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```

catgaagtag agaataagca ctaaactacta aaaaaaaaaat aaaataaaaat aaaacttttta 180
ccttacttat taaactagga agaattttcc tgaaacgcac ctgttaaatt agtctataat 240
atattaatga atggaggaca tgtatttcct agtaaattatt ttaaacaatga agtatacgct 300
tgggggaaaa aaaactttctc aggatatgaa atttttcaag tctcaatccc ctgaacagac 360
taa 363

```

```

<210> 58
<211> 357
<212> DNA
<213> Rattus norvegicus

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```

<220>
<223> Genbank Accession No. AA818163

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<400> 58
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agtgagtggg aaacctaaat ggtcacagcc tacacatcac agcgtataca gaatgttggg 180
catattaaat gtagcagaac acttgggttt ctgggtgcct tgctactaac ctgactcttg 240
attttgtgta tgtaagtttc tatactcact tacttttctc cataagagaa gccatacata 300
ctgtcactgg taattgtaaa gaattacagt tccccttatt aaacaattac aatttta 357

```

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<210> 59
<211> 572
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA818211

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<400> 59
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gttttaggtaa tccaacaatg gctgtcttaa cactggaaga acagaactgg tagctattcc 120
atctaccag ctgggggtcct cggtagtcct aatgtggtgc tgaagttcca gaggattctt 180
gggagagtcg ctggtcttca gttaggttg gaaggctgaa gacactgggt gctcatgaca 240
gcaaagggca gcagcagtga cagcggcagg gacaacgtaa gtgagcagag aagatgagct 300
caccaacaag acacgaaagc aaacaggcag caaacaaaaa caacaacaga agactagtgt 360
tttcccctca gggatccttg ttttgtggcg gtgctggaag tgcttcccac ctcagctaca 420
tccacaggtc aggcagctca aagtctctaa gtgcagaccc tggatcctga cgctctggc 480
ctctgtgagg acctgcactc acacacacac gtagtctctg agtccccgtg tctcaggatg 540
ttcctccatc agagcagaaa cctacacctc tc 572

```

```

<210> 60
<211> 464
<212> DNA
<213> Rattus norvegicus

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```

<220>
<223> Genbank Accession No. AA818258

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<400> 60
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atagccatat atctatatca tgttatagat atgtcacata tgatataatg aagtgtcgta 120
cagacatcgg aatagactat ggaacttgag cctagtgaga tcagaagtca aaatctaaag 180
ccaggatgta tgatcagacc atatgttctt agccttgcca aacaacatgc tgctcttaaa 240
atgaaacaaa tggatgtcac tgtgaagtaa ctgagatctg tctaggtttt ggtgtttatt 300
cagaacactt tctttgacta cattaggaaa taagtgtttt tgctgagcca actctaattt 360

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ctagtttagc tttttaaaaa aggatatatt taagatacc cttaatatga aagttaaatt 420  
ctacactata gaaattcccc taaaaggctt aaaatacctt gata 464

<210> 61  
<211> 494  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA818264

<400> 61  
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actgcaggaa tagtcgggtc tcccaaagaa gcaggtgcca cagttgtccc acaaagacat 180  
ggagaagacc atgttgagtc acaaccctcc ccagaacagt tgactgggac agggtcctga 240  
gcacgttaag gatctccaga cacctgacag gctcagtggg cgctcacgg acacctcatg 300  
tctgtagctc taggaggtga cggggctctc tggatggcga gctagccagg ctggagctgt 360  
gggcttctcg aaggctctcg agcactcgga gcagctgggc cagtgaagtcc tcaggagctc 420  
cgccacggcc tgtggatgag gtgcctgctt cttctgttgc ccggctcaag agctggtgct 480  
tttccgaag agca 494

<210> 62  
<211> 429  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA818271

<400> 62  
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atacatagta tgattttaca tagattgtgc tacattagaa cactagagac aaacatcact 120  
tgactattaa ggaaaacatt aaatattaaa taacagaaat aaaatgtgta aacactaatc 180  
taactgggga ttttgctatt gcaactgtcc aatgaagtgg tttcaacagt acgaaaaggg 240  
tgaagacagg ggtgcttcca gtccacttag gagtcatggg tctcagttca ggggtccttt 300  
aataaaatct ggtccaggac aagaggaggg ccactccact ccactggctc tcattggatg 360  
tattccactc ggtgaatgct cacgttcaag cttgggtact gagcaaatac ttttaatccg 420  
tctccctta 429

<210> 63  
<211> 548  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA818287

<400> 63  
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tcggccatac attcacacag gcacacattg tcaattttct gcagtaagaa cactgagaga 120  
aaatggcagg taggaatttt ctgccttgcc cttctttact taagaacaga aaatactaga 180  
aagacccgtc cacacctcaa atccactggc tatgcatctc ctcaacgatt gcaggaattt 240  
cggtttagtt tacagcaaat ggcatttgcc gcagtccttc cttagactag tgcaggcacg 300  
gaaagatcac agtgggtgctg gacagtcctg ttccatccgg acacacctgc tggagggtcag 360  
atgctaacac aaagaggatt tatctctgac tcagatcacc cactgtgtgg gccagcatgt 420  
ttgaccacc cagagcccat cttacacggc ctgggagtga cttcttggca gattctgtgt 480

actgtgcaac tgaacatgc gtagatgcta tctattcctt ggagcgcttg cccagagtga 540  
aatggaca 548

<210> 64

<211> 554

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818288

<400> 64

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tttttttttt tttttttgag ttttcacatt aggacgattt tatttataat ctgattttct 60
accaccccc ttcattacat ataaaaacat catcaggctt gtcacagaat aaaacactag 120
gaaaaatgaa aaacacattt taaaagggtgc ttcatttttc attccattag taaagccttg 180
acaggctctt gaaacgtcag tcaagtccag gaagaactag aaatgcctga gacatttcca 240
tttcagtgat tattgcaa ataaattcct cattgtgtct tcaaaaaaat ccctgagagg 300
ccagcaagcc cattgtgcag acggagagac tgaggtcaga actccttagt ctctcatgg 360
gagactggag catgtcagt aagttattgc tttaaagttt tagcaagggt tcgcaagcat 420
tcctctgctc tccactgtgt ttctctgggc catggagaag tgaggacggt actggggtct 480
gctctttgaa gaaccagtg tgctgctggg tggccccaga agcagcagag ctcggtgtgt 540
ctcccaact cact 554

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<210> 65

<211> 551

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818355

<400> 65

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tttttttttt tttttttaaa tgttactgtt tttattctgt aacttatcat cattcagtgg 60
atatttcaaca atatttcttt tccttgttgt tctttttaaa gacgatttta agaccatgac 120
atatttaagat catccgaaat taaagacaca ttgtaagcca gtccttggt ctctgggtcc 180
gtagcaaata gcaaactatc aaaaacaaat acagttttaa aatgtttaag gtaacaattg 240
ttcccccaag cctcagaagt tacatattat aaatgtgtgt cacctggcag agagggagtg 300
agaaaggagg gattgggaca tcatgcatgt taaatgtttt aaggaagtgt gcatctactg 360
ggctggggag acggcttagt cagcacaagt aggtataagg gcctgaattt ggcacagtca 420
aaaacggttg gttcgatgga ctgtggttat aaccccagag ctggctcact agctatcaag 480
cctagtctaa gctcctgcaa gccccaggcc agtcaaagat cctgtttcag tggaaagatg 540
gatgacgcct t 551

```

<210> 66

<211> 340

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818412

<400> 66

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tttttttttt tttttttctc tgtgcacaca gctttattgg atatcgctgg agcgtcccca 60
agtggctctg attactgggt tgacaggagg aggtgggtgaa gaagaggaac aattcatttc 120
gggcaatgcc ttcgccaaaga caaatgcgct ttcctgtgga gaagggcatg aaagcttcac 180
tctttttcag tgccccattg gcatccagga agtgttcagg attgaagctg tctgggtggg 240
caaagtactg tgggtcatgg agagctgaac tcaggatggg gtacacttca gtgttcttgg 300

```

gaagcaggta ccctcggaac atggtgtctt cctcgtgccg

340

<210> 67

<211> 564

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818421

<400> 67

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tttttttttt tttttttgaa aaaaatgtat ctttttattt gcacacttag aaaagttgta 60
cacagaaact tattgtttgt aaaacagaac tgtaggatg acatttttat ttttaaataca 120
ttaagactgg ttgagaaata gaacaaaaac atagtaaaat gtttaaaaaa ttaaagaaca 180
ttttccaagt ataaatttta taaatacaaa acaaattcac aaatgacttt gaatgctaaa 240
taaatatcta gttaataaat tcagttggta ctggctacag cacatcagag ctagcgaact 300
ggactcactc atgtgtatgt ttgaaacctt atgacatgga gtcagacac actctctatg 360
gtgtgttcta gcaggctcac cgtggagaca agacctcctt actactggaa ctctaaggc 420
tcaatgacaa aatagagcat agatgaaaaa tttttccaa gacacctgaa cacatgaatg 480
atctcaaaat atacacaagc ctctgtaacc cagtactgta cccagtacgt ctatgcaact 540
tagtagacac tgaacaaaag ctgt 564
```

<210> 68

<211> 519

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818474

<400> 68

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tttttttttt tttttttaca aaaagaacga tttttattaa aaaccttggg ggccaacatt 60
gaaggcatgg ttttgtacat gtttttgga gggcatataa agtgaatttg agatatatta 120
aatggtttca attaccagca ttgaaacaaa attagtcaa aaaaagccaa atacaattgt 180
gcaggcaatg gttttgggat cttagaggtg agcttgtttt tgaccagtgg gacaaatgag 240
cctgggggtg atgtctcttg gttgtggtat catccttttc ttcacaaag gacagactca 300
taccaggatc acaaacacac actggtttca gcaaattgat agtcacagtg taaacagggc 360
caagcaacca aaacctaaga acctaaagac gagcaagata aagacaatta gagtctactc 420
atggagtttt ggcagttttc ctaaacttaa gtgttttaga ttcacaatag agaagagctg 480
tttcaagatg tcaaagaatg aagtcaaaaa ataaaattc 519
```

<210> 69

<211> 450

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818490

<400> 69

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ggtaaggggt gtcgtgggtg tccctgagaa gctcagcca gagggccttt gtctaagaga 180
ctctgagaaa gggatgggtg gcaggaagct tggggaataa gggatttaag aagagaataa 240
attaaagggg gggcttgagg gacaaggggc ctgtgctgtc cttcaaacag ctgggagcag 300
accacgggtg ggaaagaggg tggcggaag agcttgatac actatcttaa gaaacaccgt 360
ttaccactt ccctcttaac cactgcagtg cacaacgagc cagggcacag ggcaggagcc 420
```

cacatgcccc agtgggctttc aacatggcac

450

<210> 70

<211> 507

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818521

<400> 70

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aggcttttgc tgtgttctag ctaaactcca ataaataaat atgtacagat atgctgagcc 120
tacaaaacag taaagaaaac cttttcttca caaaagatac acatatgata catttggtcc 180
ttacactgac atatgaactc attcctagct tacttaaaac aaaacccttc tggactctgt 240
atgccaatat ctagaggcat gtacctgggc cttttatttt atccagaaag caaagctatg 300
cagagaaaat tcctcagttt ctttattaaa aaatggcctg catatggcct gctacttatt 360
attaagtgc atttaaatgt tctcaagaag ttggaaactc tttagaccag ttgtcctgaa 420
atgactggac aatgccctgt ggatgttggtc aaaatgcagc ttcttatgaa ctggctcact 480
gggggtgggag tgggggtatgg tgggggt 507
```

<210> 71

<211> 557

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818524

<400> 71

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gtaccagggt ttaagctatg aacattgaca gtgtccattc aaataaccac acttttagtt 120
attaaggatg taaccagttt ctaacatgag cctattttct acactgctta tgcacatatg 180
cccattaaca aatggaatgt tgtcggttac atttattgggt ttgtgagtgt tttctggaaa 240
aactgcagtt atttgtgaag accaaagttc catgctagca ttgcatgcat ccaaataatta 300
atgcacagag gcacagtaga gcaacaagag agcatattga aatactagca cccccattc 360
ccctttttat tgcttgttta gcttaaactt taaaaaccaa gtaaaaatct gaattcagcg 420
gtcaactgcc aaagaaagta acagcagggc acatacttag gacttgaatg aaattgttaa 480
gactagctg gcgcaacagc agacattttt tttttcaggt atatgaccac cttagtatct 540
aaagctcttc aaacagg 557
```

<210> 72

<211> 492

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818593

<400> 72

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tttttttttt ttttgttcgc aagcattttt atttatattta aatcaaatat cattctgaga 60
aggcatgtaa catacacatt tgtacatagc atctttcaat aaaaaaatgt acaggtgggg 120
cagtgtttta gtgaaaggct taaatttttt ttaattgaac tactagttca attaaaaact 180
caaaaaactc attgtgttaa agtaactata tacatagata aagtgggcat ccaagaggta 240
tagcagcagc cctttaatgt atacaccagg gagtgatatg catcttctctg ccctctgcct 300
ccagcagttc ccttcgaagc tggcctgttc ctctgcaccc ttcagggctc atgattcctt 360
gcgtagctct gtctgttggt ggtttcgtgt agagtcgtat gtgagtcctc ttttctttct 420
```



ttgttagact ctgtggtctt gaagaaatca gttacatata aaaccactaa tattgccaca 480  
acagtcctt ga 492

<210> 73  
<211> 515  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA818604

<220>  
<221> misc\_feature  
<222> (1) .. (515)  
<223> n = a or c or g or t

<400> 73  
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ccttggtggc ctgccgctgc gagtcgttga agtaggcggg cacggtgatc accgcgttgg 120  
tcaccgggtg gccaggtac gcctcggcga tctccttcat cttggtcagc accatggacg 180  
agatctcctc cgggtagaac gaccggttct cgccttctga gttcacctgc accttgggct 240  
tgtcgccgtc gttcaccacc tggaagggcc agtgcttcat gtccgactgc accaccgggt 300  
cgccgaactt gcggccgatc agccgcttcg cgtcgaacac ggtgttctgc gggttcagcg 360  
ccacctggtt cttggcgggc tccccgatga gccgctcggg gtctgtgaag gccacgtanc 420  
tgggggtcgt gcggttgccc tggtcgttgg cgatgatctc caccttgccg tgctggaaca 480  
cgcccacgca cgagtaggtg gtgccaagt cgatg 515

<210> 74  
<211> 470  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA818615

<400> 74  
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taccgccaaag ccctggagac accgatacaa tttgatggta aacaaacaga actgcggcag 120  
ttagagagaa cacagacca cttcccaggc aggcaactgt ttcccaatcc ccctcatgct 180  
acttctgtgc ttctgttcag aaaggtgata ctgtgtccca gccctagcaa ggctgaggca 240  
ggaggaccac cagtgtggga ccagtatggg ataggataca taaggaaacc ttggttcttg 300  
ttgtttttta agggaagaa aaaggtaagt ttgaaaccga attgtgcaga accgatcaca 360  
actcatacta aggatggaga tagtctttta ccaaaaacca acccggtcac cagcactaag 420  
atgtgtttct ctggatttga agaaggaatt gagaaaatga tctgcaccaa 470

<210> 75  
<211> 530  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA818627

<400> 75  
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gttggttaact gatttacaga agcaatcaca gactgcaaaa acatgtgtgt cacacacaca 120  
cacacacaca cacacacaca cacacacaca ccccaatcaa ggaaaaactg tgtcctcgaa 180

```

attttccagt ccaaagttct gttggtgcgc ctctcgcacc cacggtgctt tcccatggct 240
tccacacaac agctgagact tctgccctct tcattcttga tgagattttt cagcaataac 300
tttacattca tacattgcta gctgacgacc aatgtttccc atcgttatgc ctccagcaaa 360
aaatatacat ggcaaccaag agcggacata gagaaaatct ggagatgtgt attgataaac 420
accattgtag actaacagtt gggtgacaac ggttgctaag aaagcaattc caacaccaag 480
gccaaaacca cttctagatc tgtcaaaagt ccaccatagt cctactgaca 530

```

<210> 76

<211> 584

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818700

<400> 76

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aacatagtaa aattttaata cagtattctg gatacaagta gaatagcact aagtaaagga 180
ctgtagttac ctcagcagcc tgggagtatg ggttgagatc aaccaagggt tagaatagcc 240
ccttcacatt tcatcagtgc tgaccaaagc caaagcaagc taggatggag actacaacta 300
accttccatg ttaaccagtt attttaagggt gacttaccct cacttaatgg cagttgaggt 360
aagttaaaca gagagccctt acaaagacta agaaccaaat gaaaacttgt ttctagcctt 420
tgtttttaggt caccttaaac taaaatgctt ttacgtactt cttaacattc atgtacacat 480
tcttttcaggc caaagtttca gcttgggaaat cttgccaaact gtatgtccaa cttctgaaca 540
tttgcaatca gacaaattta ctgtataaaa cagtaagatt tact 584

```

<210> 77

<211> 557

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818702

<400> 77

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cccacctcta ccctggaagc tgccgccatg atctcatgct ctgggctgct aggataaggg 180
ctacacgtca tcctcagaca caaggcagta gaagtctgtt cgcgcactgt agtttcgaga 240
gccaaagtca gagacatcca ttctactggc atggccctct cctatggaga ccttgctttc 300
gtgtagtgga gttggtggct ccccaaagac aggtccacgg acaccaggt ctccctcagg 360
gtctggatcc agctctgact ccatggccc ggcctgggca gcacgtcctc tcacgattag 420
catgggatct ttgtcatcct gaagtcgggt ttgggggtct cctccacgg gtctgtattg 480
caccttccgt ggtagtgcc actgtagctc tttccaaaa tcagaggaag gtgtcacgga 540
gccaggcttc caaagca 557

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<210> 78

<211> 537

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818721

<400> 78

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tttttttttt tttttttgga ggggtgggtct cagcatttaa tgacagcttt accaggggtct 60

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gctctccgct gcccaagagg agagcacaag tttctcaggg aaccactgct cacaagcaga 120
tgtagtcctt ggatgttact ttctgtgggt ggcaccactg ctttcaagga agggaggcct 180
ggaagaggct cgcagtctcg gtacccctca gageggggag cctacttccg ctttctgtac 240
ctgctcactc ttgtgggtac catcacagta agggggccgc cgagtggcct tgcaggtaca 300
gagggccact gtgcgtgtct cttcggcctt gaacttgagt ggggaaaggc cagtgcgctg 360
gaagaagtgg gagccatcgc agaagggtg attcttactt cggccacata cacaccacct 420
gtaggttttc ccggcaacca gctccaacct gatgggtgtt ttctgtgcca cactggcctt 480
ggctggatct ttggggaacc atcgggcca ccaagaggag atttcccct cgtgccg 537

```

<210> 79

<211> 596

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818741

<400> 79

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tttttttttt tttttttgtt gcctttatatt tatccctatt tgaccatcaa atatgtttac 60
agaagatgggt ttacagggtgc ttgagcatcc cactggattc tctaccattt caagggtgcaa 120
aagaggctta cagtgtgttt cattaaacaa agcaaagctg cgacaaaaca ggatcacatc 180
aatagtagta tgcattcagaa gagtgtagta atccatcaaa cacaattggg catctgtgcc 240
tttcctcaaa aagaacaaga gctctacact gaagaatatg tagtgcacaa gaagcattgt 300
ttgtaggctg tgaaggaaca taaactggca taatgtcact tattaattca agtctcgatg 360
acctatgacc tctctgtgaa taaaagggtg tccaatgtct taggcacctg ctcattgggac 420
tgtatgttta tttccagggt gcacagctcc atacaaagac actaaagatg ggtttggaac 480
atggcagcat ttacatattt gaaaaagttc aggcacattc ggatacaaaa gaaagggggg 540
gaaatgcaaa tagaaatttc tcttaagtct ctgaaacaca gtgcaaaatt gagaca 596

```

<210> 80

<211> 544

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818747

<400> 80

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ggtgaagata catcattttt cattgatatg acttcaaagt agaaatggcc tctcaaataa 120
ctgtcatata ttaaaaaacga gaataagaaa gcacacactg cgtataggaa gctgccttct 180
cctggaccat tttcacatta tctgggagac agaactgaaa caaaatacag tattcaccac 240
atgcaacact gaaaccatcg ctgcgtagac actgcaagct ctgaggagga atgacttctg 300
tgaggaagcc cctggtgacg ccgcccagat aatcacccat gagaagataa acagaactcg 360
atggagaggc ctaaaggcct catgccaagt cccacagagg aatgcagcct tttgctctcc 420
aaaccctccc tcaaagccga ccaagcaatg aatcagaggg gtctgccacc tcggctgcac 480
ttccttccca ctgtccccga atagcaagca gcacagtgtg aacacaaggc acaaactctg 540
gttt

```

<210> 81

<211> 488

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA818770

<400> 81  
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 cagagaggag actgtggggc tggccctctt tgggctggag tctctggctc ccctgggcag 120  
 tcggttccca gcctcccagg cttgtcatcc tctgaaggct gagtggggtg tctgccctgc 180  
 accacagctc ttctccaaag ccgaggaaaa cccatgggga atacagggtg agaggacctg 240  
 aggatcatgg gatgggagcc cacattgaac ctcggtgagg tagtctgtcg cctgaggccc 300  
 acacgggtcc tgctgaggta aaatttgtaa gtttatttca gggacgtggg tcaggactcc 360  
 tcggtgccag agtcatectc ttcattccca aagcagctgt cggcctctc cacttcaccg 420  
 tcctcatagt agtcgtcgta gaagaggtct gagccctcgt cgggcgcgcg cgccttggcc 480  
 tcgtgccg 488

<210> 82  
 <211> 561  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA818774

<400> 82  
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 tatcaagcag aggcttgccc acctgactct tgtggaaccc ggaggagttt tagttttattg 120  
 tacatgcatt aaaaagtctt tcagctgctg cagaggaaac gtcagaagcg aggcctgagg 180  
 ccggagctcc gagtctgcac gggacacagg cgtacacagg tagctcacag tatgcacagg 240  
 ttaatatgag acacagtgc accggtggct tggcttggct ggcagctgcc agtacgatga 300  
 caatgtggct cttctgaaat ggaggcagcc ctgtcctgcg ccatcagccg ggccttgctt 360  
 ggctgtacaa ggcttcgggt tgtagtgtgc tctgggttgg tcggagggtg gaagcaccaa 420  
 agacccttaa cctggctccct cggcaggcgg gacagggtgc attatttttc tcctggccag 480  
 aaatggctgt tcctcagaat agataaagtt ccttagcctt agttatcatg cctttccctt 540  
 tacaaggccc ccctcgtgcc g 561

<210> 83  
 <211> 606  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA818781

<400> 83  
 tttttttttt tttttttgga cacactgtat ctttatttct catttatcta gcatatacaa 60  
 taaatgctga aacatgctta acgtttggag ttgtgtattc aataaattca ataaacagat 120  
 aagcagtgat acaccaaata caggcattat aaggattttt tttttaagta agtatctgtt 180  
 tagaatacaa tggtacaaaa gcaagaattg gattttaata aaacaattta ataaaacaag 240  
 gcacaatggt taaggcaaaa tttatgaaga agtatataa agttaatata agatcatatt 300  
 ttttaatatc ctttggggaa agaggcacia gaattagaaa tagcttaaac attttttttag 360  
 aatattagcc ataagaaagt aaaataaatt tgatacaata ggactctatt ttttccagaa 420  
 aacaaactcc actgttgaat catatttctg agttccattt taatcatata tatatttata 480  
 cagatatttc taatacacag actttaagta cagaaaatta agatgtcaga gcatatgtaa 540  
 tgatttgacc aatataaaaag gttaacattt tttcagcatc ttttggtggt ttcgaaaccc 600  
 ccgact 606

<210> 84  
 <211> 563  
 <212> DNA  
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818796

<400> 84

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tttttttttt tttttttcac catactgtat atgtaattta attcaaattg aaacaatgac 60
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tgtacttgac tttagtgggt agattccttag ctgtggcatg gatacacatg atcagaacag 180
tattaaataa ggagaacgtc attgaaaaga gcaatctgtg tgcacaaaag aacattatca 240
agaaagcaaa gaagcaatgt gtataaaacg tccctaatag gtaaactctac atagataaag 300
agaagattgg tggttagaca accagaggga ggaagaatgg agagtcactg agtaatgggt 360
acagtgtggt tgaaagggga taaagataag atcgtggcct gattttacc ataaattggt 420
gattctttac acaagaataa tggttagagg aatgagccac aatagcagat attatccaac 480
cattaatgaa acttatgacc acttcttaaa tttttattta tttttttaa atttacttgt 540
ttctgcataa ctttgagtga tgt 563
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<210> 85

<211> 407

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818801

<400> 85

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tttactcagt ctgcccgt gaaaatatac ttaagtttga acagccgttc aattatatca 120
agagtaattg cccattgctg gtttgtggaa ttgatccaat tccttgaaaa ataagcatgt 180
gtgttatcaa agcagaattt cattggacat caagtcgtgc cccagtggat ttctcccaa 240
caacaagagg cgtgaaattt ccagagccag caggagtgc ttgcccttc atttctaagg 300
gctgttcctg cagctccagt gtgacatttg cttaaagatg aagccagccc cattctaaat 360
aaaggatatc ggacagccct tcagcgatga atgttttct cgtgccg 407
```

<210> 86

<211> 582

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA818907

<220>

<221> misc\_feature

<222> (1)..(582)

<223> n = a or c or g or t

<400> 86

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aagctatttc acttttccaa aatgctgttt ctctttgtag accaatctgg ccacaaaagg 120
ctacctggct aagtattagc cagaaacttc taaatcccag tgtgatcttc ttgtggcatt 180
tttccaacaa ataatgcaga ccaaatcaca agatggccac ctactgggtc acatgggtcct 240
taggttaatg agcagaggct gacaggctgt ctctcactc ttccaagaac cgcccccaag 300
tgcacacagg cctgcttcg tctctcatc ggcccatct ctggtctcct tcctcaccac 360
aatcttcacc tgaacagcag tcaaaaggcg cggtcggtag gccgcggaat tatcactgcg 420
catgcgacca ttaggggtccg tgcttctact gccgaaatgg agaatcccgg ttcttagca 480
gcaggctccg tatcccgcgg cactgagga accatccggg gatgcagacc gagtacgggt 540
ggctggagaa ctggggagaat ggggggcggn gggcaagact gg 582
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<210> 87  
 <211> 612  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA818910

<400> 87  
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 ccaattatca gaatttgggt cattcttgct taataaagta tttttagtaa catggtagtg 480  
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<220>  
 <223> Genbank Accession No. AA818921

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 tttcaatttg tttttactct ttacacagaa aactgacact atttacacag actgtaaata 240  
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 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA818947

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 cctcacacaa gcaacagagt gccacaaaag ttgggggtctg agaaaacatg gcctgtccag 540  
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<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA818951

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gtgcacgagg agagaggcca aagctgttgg gaaagcaagt cagggacagg gccaaaagtc 180  
atctacatgg gaaccctggg cccccagcct ctgttcttgc ggtctcctga ttccaggcca 240  
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cttctgtgat aaagtcagag ggtttccaat cctgcattcc tccttcaacc ctggctcaag 360  
tagggccatg aaaaatagct gggctctatt gcatgtttca gaggcattaa tttttcctgg 420  
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<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA818996

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tgggtcttct ttgagtgtga ctgttcgggtt gaagacaacc tgctcctgat ggctatccgg 180  
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cacagagcag tccaccaacg ctcttttaat cacttgtagt gatgccgggt tcaagtcact 300  
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atagaggcga atctcacaca ccagaggctg tgacaccag tgaataaagg ccttgggctt 420  
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<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA819021

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gggtcact 188

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<211> 318  
<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819041

<400> 93

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actgtaaatc tttctaaatc tctgcaatgg ctctaaatga gggtaagtga ataagtggaa 180
gtgaaggaga atggaggggca ggaggtggag ccactccagg taccaacca cccagactcc 240
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cagggcatag ctgagaga 318
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<210> 94

<211> 583

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819055

<400> 94

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aactattcag aaaagaagat aaaagatagc acttcctttt gccttgctta taggtatgct 180
agttggtttg ggctgttggg tgatttttctt ctttgaatcc ttatatgaca actgctggta 240
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tttctcttgt ccagttattac tgtatttatt aggtgatcgt tgggtgtttgg aggggacatt 480
atcaaccttt caaaacacat gatcatttat gaagtctact aagagttgta acttattttg 540
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<210> 95

<211> 281

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819111

<400> 95

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gttgaataga agagttaaac taatccacac cagctcaaaa accctgtgga gacttagttg 180
ataagaatgg acgcccacag tgattctcaa ccaattacaa gttttcacag aacacagtaa 240
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<210> 96

<211> 555

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819140

<400> 96

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tgtttgtttg ttttgctttg tttttaatag gcatgcaaag attaaagtag tgaaataaaa 240
aataaatgac cctagattgg gcaaagaaaa ccattctttat gaagaagaaa tttaaatgct 300
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aggtaaacad tatgtattca ctttctgaaa tctacagtga tcttaacttg tgctttcaat 480
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<210> 97

<211> 444

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819172

<400> 97

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cgatgaaact gctactgaat ttagagaggt gatgtccgcc tataagagca ttaaagagtg 180
attctgctct gctcacacgt cagtgtctga aactgtgtct caggttagcc tcagcagtc 240
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actcaattat aaacacttga agtaataggt gagaaggcag atcaagcatc accaggttta 360
agagcaagaa aggaaaaggg cagaagttgc cctcaaatca ggtagacatt aaatgccaga 420
aagaaaataa ctcacaaaac tatt 444

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<210> 98

<211> 351

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819199

<400> 98

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cgaaattggg ggttcaaggc caggtcttgg ggcccttttt cggccatcta aaaaaaacat 180
ccacctaagt ttaactgggc ttgaaccggg acaaaaactt cacttcccaa cttaaaggcca 240
cccaagggaa aaccttgtac caagagccca ggtaaaatga cttggctgaa agccaccct 300
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<210> 99

<211> 621

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819306

<400> 99

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aacctgtacc aaactccaga taaaatgggt tgatctgatg gatttggccg cacatttcct 120
gtatgtagaa catactggat tataaatcaa caacacaggt cccacttggg aaaacgtaga 180
aataaaaaaa agaaaagaaa aaattaagtt aaagtattag cacatatata gtgtcagaag 240

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gggtctccgt caatcaccat tttgaattaa ccgttttcct ttctgaatgg cttgttttgt 300
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atacatttta catcctggat actacagtga aactcggcct aaatatcacc tactgctaac 540
acatgacaga atgttttagct attcaaatgc ttcagtaaag tgtatcttac caagagaaat 600
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<210> 100

<211> 336

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819333

<400> 100

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aaacacatct ggacctgaag caggcacctg aggtcgtacg caccacagga aaaggctgtg 180
ctcaataggg ctgcaaaatg attttggtct tggggactga aggaggacac actgatacag 240
aatcaggggt atgtgactct gagcgacctg ctgtcacctg gaccaagcat gtcaaattggc 300
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<210> 101

<211> 402

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819383

<400> 101

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actttataca taattacaaa ttactataca gcgcttgagg tgaaccgcac tttttactta 240
ataggcttag tacagaaatg ttcatacagc atttggagac aacaagaaca gaggtatagg 300
tgtatcctgc ccaccttctg tacagcctag gcctcagggg caaacctgag acgaaccgcg 360
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<210> 102

<211> 529

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819530

<400> 102

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acgtggaatg gcctgggtgag acgaacagtt tcaatacctg gttacagagg cacaagtca 180
tcctgatgac accggtcact gataaatccc caggacact gggatcggag aagaccgggg 240
tgccctgggt ccagcgtgct ggagatttcc ttcaaagtcc tgattttggc aaaagaactt 300
ggcaagctag caagcgaact gttcggccgt agagcgtgac gagggagggg ccttccacgc 360
ttgggtgggt gagtaggcgc ccaacgcagg gaacaatgct ctctctcat ctgtctgcac 420

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gcctaccctt cccactacac ttctaggctg cagagagcta gcccggggtc tgtagaggca 480  
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<210> 103  
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 <212> DNA  
 <213> Rattus norvegicus

<220>  
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<210> 104  
 <211> 597  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA819709

<220>  
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 <212> DNA  
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819744

<400> 105

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cttacacca catcagctct gaaaggggtga acgcatctga gccagaagcc cagtctctcc 180
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aataatttta tgtatcagag acaaactgct tgctactctt tcattgatct taggaatttc 420
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<210> 106

<211> 463

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819767

<400> 106

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aatacatgga gaactacact ctgcctccct agacgcaaat ctggaaccca gtcctctaac 180
ccaattcaaa cctttgtcac cagacacaga cacggttggg cagttgctta aaccgttacg 240
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actgaaaata tttcttgtaa gtttaaatgg tttgagagtt ccactcttct attgttaatc 420
gggaaattat cagcctgggg gtgccaagct gctgctgac aaa 463
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<210> 107

<211> 615

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819812

<400> 107

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aaaaacccat caataatgat tttaaccaa ctaacttcct gtgatctgta gtaaccatta 300
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gctatcgcat acgat 615
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<210> 108

<211> 593

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819816

<400> 108

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tctcgttaca gtacactctg aaatatattac agtatgatag acttaaagca gagaggaaat 180
cacagcaaag gtaagccttc tagatccact tgtgggtcat taagagtata tgcacaacca 240
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atcatttttag tggaaaaaca attgatttgg tgaaatgaga ttcattttcca gacagggttag 540
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<210> 109

<211> 254

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819840

<400> 109

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aaagtacttt gaaaggtgat ggataaagag actcgggggt gctcaggaca ttgagaataa 180
gtgacggcca tgtactcagc cctaaggaag atgttcaagc tacctgccct ctctaagcat 240
cagagaacaa ttca 254
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<210> 110

<211> 413

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819853

<400> 110

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cagacatcat gattcacaca ttgcgaccgt cagtagatcc tccaggaatg cagttggctg 180
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cacgctcgtg taccacaaag acccgtaacc gatgggatcc acaacagggg tcacgggtctc 360
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<210> 111

<211> 447

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA819854

<400> 111

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cattgtagat ctttaaaggt agaacaaaac aaaaatccaa agtaaaaatg tataaataca 120
atatatatat tcttacaaaa atgggagatt tacaaaatat acatactgca ctgtctctat 180
tttacaaatt tcacatgcac ttaagagata aaacatataa gatgccaaac ctgtgtagtg 240
gcagctcaaa aaaaaaaaaa aaacctgaca ggtgagatca ctttgaaagt ttttaagaaat 300
acaagatcac ttttaactata agagcagctc cagtcaactg atcgtgacat atagaaaagta 360
atttgtactc ctgacagtac ccccttggtt ggcattttaa aactgctctg agaaaactgaa 420
gagctttgca aaatcggagg acagtca 447

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<210> 112

<211> 520

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA819879

<400> 112

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gtgcccaggg gaaggtgtcc aacctgggtg atagtcagca ctcagtaggg cctacaagag 180
tggtgtgaat ttctatttct aatgcaggag attaaaaaca caagtgtgag cagttttaaag 240
atagaagaat cacattatga aaaaaacaac cacaaaaata gagaattcag acccttccca 300
ggtaatttaa aatatctgtt tctctcagg tatacataat gaccatagac aagatgggtca 360
aacagtgtaa acgctgggat aagagtatca gatgggtcaat gggccgaaat cagtgggaatt 420
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<210> 113

<211> 586

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA848378

<400> 113

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gactttggga tgtttctgt ggatgatgtg ggtatgtgtg tacatatata tacatacttt 180
tttaaataata ggctaacaag agtcatgtct ttcactttta agttcaggga gcagtttggt 240
ctaaccacac agacattctc agtgtggtat ttcattggagc tttagagaca aactgggtatc 300
tcattatgta atgaaatata aacataccat catgttattt taatgtcttc aaatacatga 360
tctgaggggg gtgtgtcaca cacttgtgta ccaactctta gttgtgcctt gaacatttgc 420
attgactacc tgcaaacaaat tactagggtta actagaattg ctatgcagtt ctatcttgca 480
agtgtacac agtaactgca gtttaaagta tatttgaca ttttacctgc tatgctatat 540
gattgccttt gggttttctg tacagattat ttttgttgat attcaa 586

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<210> 114

<211> 564

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA848437

<400> 114

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caaacaatag acatttattt ttcacttctc aggagggttg aagcccaaac tgctatcagg 60

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ctcgggggtg gaacaaaccc tcggggcatc ttccgtgtcc ttaaagtcag atagaagtat 180
gagcctgccc taagaacctc attcgacctc aatcacaccc ttaaagtact atctccaaaa 240
acacttactt agcatttggg gcttccacac ctgaacttta gaatccagcc catagcaagg 300
accccacatt gtctttctgc catccctcta cttgctacgc accatgattc tcagacagga 360
atgctgtaaa ccgataccca tagtttgtaa atatctgtta aatgactaga tccatttaag 420
tcgagctttg ggcttcagag tagtaagagc ctttggccta cacagaatgc aaagtctgga 480
agagaaacac cattttccag ctctgaggtc tcccatcttc tcattgatag ttacttggat 540
acggagaatc tcccagagtc tgag
564

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<210> 115

<211> 467

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA848563

<400> 115

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cttctccaga gcatccccgc cgccaagcgc aaccttccag aagcagaccg cagcgacatg 180
gccaagaaaa cagcgatcgg catcgacctg ggcaccacct actcgtgcgt gggcgtgttc 240
cagcacggca aggtggagat catcgccaac gaccagggca accgcacgac cccagctac 300
gtggccttca ccgacaccga gcggctcatc ggggacgccg ccaagaacca ggtggcgctg 360
aaccgcgaga acaccgtgtt cgacgcgaag cggctgatcg gccgcaagtt cggcgacccg 420
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467

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<210> 116

<211> 497

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA848639

<400> 116

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tcttcccaag ttcgctatcc gtgtcacttt aaacagcatg ctgctttgtt aagttgctgt 180
cagtgttgcc cacctccac cctcagggg ttagaaaagt tgattttacg tagtgccatg 240
gtaaagccac atttccatgc aatagctggg tgattcccca attcactgac aaatgacttg 300
tagcttcaga tgcctctgtg catcagcgt cagaaaggga ggggtctaag gagccccctt 360
tttgatgaa cgagaaaagg ttgcctgaaa cagagtagta gatgccacgt gattgactcc 420
tcagactggc aaagtccaag tgcaatgctt atgagttgtt ctgcttcttt cttatgcaga 480
atttcatttg tatgatc
497

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<210> 117

<211> 591

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA848758

<400> 117

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aagtcgtata cgtgggggta ttcccatccc aggggttaca gggtaaaaga gggcatttgt 60

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tacttgccca aaactccagg agtcctgtcc tgatgaggag taaaaaagac gggacatttt 240
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cgcaaggcct ctcagggtgca tctgtaggca ccatggtgcc tgcccctggg gttcaacgct 360
gataaacacg gcatactcat tttcaggaga cctgagtga  tgccgcta  gattgcttct 420
tacaaaaagt ggcaaggctc agagaaaaag atgtttgctc caaggcacc  agggatact 480
gcttttcaga aaaattcaca gagaacagac taaactagag aattagatat cagtggaaga 540
acccattac  cgtaactagc caagagatta cgtcagagga gactgcaagg g          591

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<210> 118

<211> 580

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA848782

<400> 118

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gaggtctgca gacaaaccaa agacaaagtg gagaggccat ggagccacc  tccccactct 120
gaactgggac aactctgtag gtcagggtca gccctcctgt tggggcagca gaaggctctg 180
cagaaatagt tctctttcag ggtcataatg gctcttagaa cacttgttct gttgtgctgt 240
aacaataaaa ccctgtttac tgtctcctgt cctcttgcaa aacagttgtt gtccctcaagg 300
cctccaggag ctggcaggag gccctcagtc ctcttctgag agctgaagat cctctagctc 360
atcctgtggg ccctgagcca gctgccacag ttcactcaga tccaccctg  tgtctgtgtc 420
tccatcctct gaactgctgt cactatcttc ctatgttct tccctcctgac ctcttcttt 480
cattcctctg tgagattcca ggagcccagg aactcctctc tcaaagaagt ctgtgctgtc 540
ctctccctca gaactgtcca actcaaacag gtctttta 580

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<210> 119

<211> 595

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA848826

<400> 119

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actaatgtta cctcagccag ggtacatgcc acctgtacat agcacactct acataaagta 180
taaaatggca tatatctgaa aatactctat ttgcttggtt gaattattgt agttataaaa 240
tagtttttaa tctgacttgt gtaggaaaag acacacgcca tgttttttaa agtctgtggg 300
agaataatgt ctataaaatc tattgagaat cccaatctgg tcaaagatgt gtcattgggc 360
agtgggacca acagcaccca ggtcaagccc tgggtgggaa gaatccaagt ttggctggag 420
gaaggagctg ggggaggccc tagttaggtg tcccagaga ccgttagtgg tcagacctga 480
aggaagaaga gaggcaggat ttgaaggttc aaatcccagt ggatctggga ggcggttagg 540
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<210> 120

<211> 401

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA849222



<400> 120  
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accctgctga ttgacccttc tgggcctgct tacggactcc tctcaaaggg acagccagcc 180  
cctgttcctg ggaggaggct cctcggacac tggacagagc tgagcttggg acaccagaga 240  
gaacagggca cccttctgca ctggcttcca gaaaacggtc ctccccgagg acaccagtg 300  
gatgagagcg agtctgagag aagaatgaat tgacctctat ccttccctc accctcgacc 360  
caggagggaa agggcatttt ctttttcacc tttgaaaggc g 401

<210> 121  
<211> 268  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA849365

<400> 121  
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gggtgggggat ggggggtgccc agctgcccc agtcgcctgt cctccgtgcg atgtctttgt 120  
ctggatcttg atccctgagg gaggtctgag gttctgaaca tggatggcag atcacaacca 180  
cagttctggg ctcatctgga ccaccagtcc ttgggcctca aaagttgaac tcctggacct 240  
tcaagtccca acgactttcc ctttggtt 268

<210> 122  
<211> 395  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA849426

<400> 122  
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tacaacaaaa gagcctatgc tgatcccctg ggggtgggta gtaactacct ttccctgggac 120  
atgctaaagg cctgctgctc atccagttgt cggccctgct tttaacaggg tctgttgtcc 180  
atggcaaagc agctgccttt ttgtctgcac tggacagcag cagcagcagc agagtctgca 240  
gtgctctctt cccagtcctg gaggtctgtg gtccctgtcc ctgcccacat cctgcctctg 300  
cttggctgag cctgaaggag ggcacgacac cagttagccc ggcccaagcc tcctctactg 360  
cagcccagac ttcactctgc agtaactact gtacg 395

<210> 123  
<211> 535  
<212> DNA  
<213> Rattus norvegicus

<220>  
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gagtttcgcc tacaagtgcc tctcatgggc agggttctgt tcctgggtgca gactaggaat 120
gttaactccc ttggttctag gaccagcata tcttaatctt tcaacgaagc agatgatatg 180
gaagtcctct ggagactgaa gccacttgcc tagtctcttg agcaaatgaa cagacactgc 240
tatcatttga caaggaattc agactcagaa cagagacaac aaagtatttt aaaaaataat 300
tattcataga cttgctaact gtcacttata aaggctagtg caggcccana gtaagaactg 360
gtgctttctg agaaagctga aaaaggatta gaggtgccgc ctgcttctag gtacgcctc 420
acttacactc tgcatagcta actctggtta aggacatggg gttcaagtct ctgttctggg 480
cttggagatc tctgtagcct aagagagtat cagtgcattg ttgacctgag ccttg 535

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<210> 124

<211> 501

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA849767

<400> 124

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cacaccagac acaagcaagg acccagggc actgagcagg atgggatggg taggacggca 180
agtctctggc agccgatgac aaccgcgcct tctcaggaca ctggattagg aaccaagaaa 240
ccaagcagta tcgttggatc cttccagaat atctaattct cacatttgcc gaggggctag 300
cctcaaacc accgtgtagc tgagattcca ggcattgtct accatgccga gctttaccgt 360
ttgcctctga aaaccgggccc agtaaccttt actttctaga gctgcctgaa ggggaaatgc 420
cacagagagc aacacttacc aaagtactca acagagctgg cacacagagg tatctaatta 480
gtaactcttt tttgtttttg t 501

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<210> 125

<211> 582

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA849796

<400> 125

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gaaacaattc aataaaccat ttatttgcaa ataaataatg tatgtctacc acacctaaat 60
aaacatttaa gaactagtaa tactaggata taacctcagt attacattgt aaatggggaa 120
tcaaagtcca gagttaggat gcccaggctg aggcgctgcc tccgacttaa ctgctaaatc 180
atgtggggag tgatctttga tactttaagt caacttcaat acagaactat ccttttggtta 240
ctccatacag ttagggaact tgttttctac acttaggcat gacccttcaa ttaaaatgga 300
agattcttat tatgaatcaa gagactcacc tacacgggtg gaggatccac ttcattccatg 360
ctctgattta gtctttctga atggactggg ttctaacctg gactaagtac aggcctgaaa 420
cttcaacagc catcaggaac catggagcgg gccatgaagg tgcttcgaag ggccacagac 480
tttttcaacc tgggacagac tgcaacactc gtgccacacc ccatatgaca aaaagctgga 540
aaacaagggt tgtgttttca cttatgtatc accagatgca ac 582

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<210> 126

<211> 196

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA849898

<400> 126

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 atttctggac acacggaaac caaaggagga gcctggggac aaaaccatt cgggggacaa 180  
 ggaggagcgc ccccc 196

<210> 127

<211> 504

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA849917

<400> 127

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 aagagttaac agatggaaaa ggtctctggg gcagtcatt tgctgagacc tcaagtggga 180  
 cagggcagtg agcagagaca tctgaccagg gcactgtggg taaggtaggg gtgcctcaga 240  
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 cccaatccct caggctctgc ttcttgatg cccaactctc aacagggtg ccaaccacta 360  
 agacagacac agctgctatg tcccacctct cctcagcagt taaaaaggaa gagactaacg 420  
 gggagcctcg gagtttact tactggtcac agttcgctat gatgccatca tcagtgtaaa 480  
 caatgttgct ttagctgtgt aaga 504

<210> 128

<211> 513

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA850038

<400> 128

ggaatataac acacaaagac tcgaccaaac agttcagtta ttataacttt tacagtatac 60  
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 tctaagatac tgaatcaatc acgtcaccta taagtgccaa cagtgttatt ttgtcatgct 180  
 gatttcaatg gtacttttta aaaaggggga aatatcaaca attataatac aaagggttg 240  
 catctataca aacagatata ggattcataa caattcaaga actaaggggg ggggacccaa 300  
 ttcaaattac aaaagttcac tttttattca aaacctcagc ttgtgtcttg gacacgttcc 360  
 ttggctgcc aataatgcc cagttccttc tcttaaaata ttttttttaa aaagctaggt 420  
 ttgtcatggt atggggtggg ggtggggaag ctaagtgttg atgtgatccc tccagcttgc 480  
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<210> 129

<211> 419

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA850195

<400> 129

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 cttcaaggct caagggtatg gaaaagaagg gcggtgctcc acaaggtaga gaggcgaaga 120  
 ctgaccaagg agtaactcta ttgcctttca aaaagccctt ggaagggtac cctcaatcca 180  
 aaagaccatt agctctcctg ttacagtttg tgtacaacac cctcatttga aagtgcgcg 240  
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tacgttttag aaatggaata aagtaccaat ctcagtttaa atactaaaat agaaataaaa 360  
aacaataaaa caggctttaa cgttattact tgggatgtct cgttacaccc ttcctaggt 419

<210> 130

<211> 492

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA850378

<400> 130

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tatatacagt gaagtataat aatctttaat tgggaaacgt atttggtact cctgatctgt 120  
ttatattaaa actgtggggg aaacgaatat ctcggttaagc gctacatttc cagtcgatcg 180  
cacctggcac ggaaagcgct attgcatctt aggtcctgct tgggtattata agagactaat 240  
ttgaagtcct aggattcaaa ataaacatca tttggaataa tagatatata catcaaaaat 300  
acatctagaa aggcattggt tagtgctatt aaaaagctgt gtgctcatgg ggaagggtcag 360  
tcgaaagtta cctgggtcata ttcttactcc tcatctccac tgtccatgtc aatgtctact 420  
tcctccgtgt ccacggcccg ggacaggatg tccgccatga gtgcttcctc tagtttcttt 480  
cggacttggt gg 492

<210> 131

<211> 617

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA850480

<400> 131

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aaaaaatata ttgcaagtta gatctaaaaa aggaaatcta aattgcctca tagagaaagc 180  
cagtgaagtga gcaaaatatg tgactcaaaa ctaaaagaaa cccaaccaag aaatagattc 240  
cacaaaagtc agttaatcct ccaattttta ataatgatc tccaaggga aaataattcc 300  
actaccacag caatttggtc aataaaagca gagccacact cttaaaggga aattctacca 360  
tatgtaagaa aaattaataa atctttttaga aaatagaaat ctccatgttg gaaaacaagc 420  
acactaaata cttcatgttc actctgttag aagttcgaac ttctgtccac atatgcaagt 480  
gacatgaata tgaatgcaca taaaacaag ctctttgact attagttcag ttgagcctca 540  
ggagatctaa ggagcttcaa aatccaagga tagactggtc ccaaagcaac tcctcctctg 600  
tcctttcttc accttgt 617

<210> 132

<211> 531

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA850618

<400> 132

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ccatcaacta tctttatcaa ataaaatatt tacaccattt ggtttctaag gagaaaagct 120  
cttcacgcta tcaccatggg gacatcgctt gagaatccgg taatcatggg agcatcttcg 180  
tcgtcctctc ctaggctatc cccggaggag aagatggcgg agcccagcct ggagctgtag 240  
tggctgttgg caaaggcagt gaagctgtct tgtaagcggc ggtgcttcgt gtagaggacg 300

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gcaaagccga ctcccaggct cagcaggatc aggaacaaga taggaaccac cacggccgcg 360
acgtcagtag acctggcagt ctggaccact gtggcatctc cacctgagct cagttcgtca 420
tacagcagca cggcaggctc cccgcagatc ttggtaccaa agagacatcg agcctggacc 480
gtgaaagtgt aattgtgacc catcttcagg ttggacactt taaagaaatt g 531

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<210> 133

<211> 580

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA850738

<400> 133

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aatgttttat acttacagat cttatggtac cctaaatcat tattaataaa aaccagccaa 180
cccatactgt aagtaaagtt agcagaccac cacttacgct ttattgtagg agaaagacat 240
ccaattacca tgctgaaatg ggtttttagag tccaacacag acatcctgct tcaaagctcc 300
cactgcactt acaaccccag gaacggggct ttccttccca tattacattt ctaggacagc 360
tttgggctga aagattagtt ttggtttcag agcgaatctg atttagtatt tcaatgtcac 420
acctcaaaga ttcctgacgg gaggttgggg agaatcactc caattacgta ctagtccacg 480
gcgcaagaca gcacaacaca gatgggacat ttaattcact ttaccggaca tgctcaccca 540
accgaaattg ggaaaattta aaggcacaga tgaatagaaa 580

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<210> 134

<211> 438

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851050

<400> 134

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tttttttctg tgcagcccag ggtaagctca aacaactcaa aatcctccag ctacagcctc 120
atgagcgctg cagttctggg catgcgtggc ctctcccggc ctagcttgct agttttatat 180
gatggtaagt ctccatctat aaatatgcaa gtgtacagaa tacatgtgtg cttttcgacc 240
tggtgtttct gtatgggaaa gctgccccga gaggatgcta cctctgttct tctgtcttta 300
gtgatgttta aatggtttgc attattttca tgaaatgaag tgcgttaagg ttaggagact 360
gaggctggta aaggagaagt ttcttgagga tgactgtgtg caagagggaa ggccacccaa 420
gggcccttcc ttctgagt 438

```

<210> 135

<211> 494

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851233

<400> 135

```

tgaacgtttt cgaacaatgg cacaaatagg tagacaaagc taaacaggca gcagggctta 60
cattgtaagt ttatagttaa aactacggat gaacatttca gtgcaccaca attccaaact 120
gcaacgaaga cggtaggtac tcggggatcc agctgaggag agatgggtca ctgcagctgt 180
actctgtaag cacctattag caacttcacc ttggcaaagg gtgcttccgt caaccttata 240
aacaacttat tggggccagc aacagggctg aatgaataaa caaagtgact gtccagaaaa 300

```

```

acaggtagct ggaatttattc atttagcacc acggcttgca cactgcatgg tccacaaagc 360
cgagcaatga catctttacc caagaagttt gcatggaaaa tgaagaggag gacaccagat 420
ccttcaggca tgttctgagg gggcatgtaa ttgaaatctg ttgagaaatc gggccactca 480
cagagccgat gaca 494

```

<210> 136

<211> 719

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851329

<400> 136

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aaaggaatat aaaactatattt attgaccact gttcaccatt atttacaata aagtaaatat 60
acagttggat gacattctga cactacaaag ttccttttct ggctaattga accagaatgc 120
aaatactgaa aagattgatc ctacccgtaa ggaatgagtc agggtaaagg aaaggcatgc 180
agggcactaa ttgatattag caaattttgt tcaactcactt agtcagcagg tcttaaactcg 240
ccaacatcag ctccaacatc gattctatatt ccacatcaaa cagattccat gaatcataac 300
cttttagtac agattttaac gtccatacaa ggaatgggtc accagaggaa cctttacaca 360
gacccactga cctagacctg cctctgtaga ccaggggcct cttaaactcag agctctatct 420
gcctccagag ttctgggatt aaagggtgcac accaccatac tcggccaagt cttgctatta 480
aatcatacta ctatgttgct taattccatt tcctgaagggt gtgttggtat ggacaacatt 540
ctgtaaataa actatccaat aaattacaga ctctgcttat tctgaaagggt tatggtttca 600
ggagaacatt cacggtgatg gaatctcatc aacttgcgtt ttcacattca gttcttttga 660
gtattaaaaa aaagataaaa cagacagggt atgtaagtgt tttatgcata cactgcata 719

```

<210> 137

<211> 574

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851343

<400> 137

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ggggtaaaac atttattgct cctctaggta atgtcaggta tgacatatga catgggttaag 60
tctctcagtg ggaatggaca ccaagggtgac acatgcagca agtccataga cagggtctctt 120
agcacatgat ggctcctct atgacctgct ctttgaccct agtccaaca agggcttgac 180
aggccactgg aagcatggac ctaacctgct gcatgccatc tccacaggat gccgcctaac 240
ctcagggtgac agcacatcag gagctcacgg gcgcgctcac acgggcacgc tcacacagggt 300
cctgtgcagc acaagattat ggagtcacct cctttgatcc taagctggcc tggctcctcc 360
atcagcctca gggaggtata ggaagatgaa tataggccca gctttctgag cttagctcaa 420
ccacagcttc tggctaagct ctggaccacc aggggctgga gccttgacc agggatggga 480
tagtccgttg ctctgtagg tcagctgcac acgcactgcc accatcgagc catggcccaa 540
tgacaggatg gctgtgtcgc cttccttgat cagc 574

```

<210> 138

<211> 545

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851803

<400> 138

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aatacaactt gctttcaaca gcaattttca aagtaaacad atcatagacc ttataactta 60

```

```

ttaaagattt tatagtgttt acaaatttga ttctaaaaat ataccttatt tgttctaaat 120
gaataacatc tgaaagacag aataataaat atagcagtgc gctcaccact actgccacta 180
ggcttgtgta cacgcattct gtatggacta ctcgtgggat gttcacactc tccgcctgag 240
aacacagagc atattacact ccagtgtaca agacttcagt ctgacagcat tgctctacaa 300
gaaagaaaat taaaatgtct acttgacact gcaggggaagc atgggcacac gcgcacacag 360
acacgtgtct gcattttctc tcacactcaa acagaagcac acgcacacca cagaagtcag 420
aagaatttac ccttgtgtgc cagacaatta acaatttcag aaatgcagag tgagtggaga 480
gtcggccgat acacttaacc cgtaagtaca tggcaagggt tgttaatggg gtgcaaagtg 540
cgctc                                         545

```

<210> 139

<211> 294

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851814

<400> 139

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aatgagtatc ttatgtacac acacacacca tacaacaagc ttggttccat tataattcca 60
tcaggcgctc aggtatgttc aatgacctga gatagagttg atgaagcatg gccttttaggt 120
cacaatgaag tccatcagtg agttgtcagg ctgcagtgtg gggattggga catctgctac 180
ctggatgatg ttgacttcta ggattccatc tacaattgtg atgggtggctc tgaagtaacc 240
atatctgttt attcggcagt tttcattgga aatgtcactc agctccatgg attt      294

```

<210> 140

<211> 591

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851953

<400> 140

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aagcataatt aaaatcaatg cagaaaaata ttagctacat tgggtaaaag tagtgattgt 60
tgcagtatct gcctgtaatc cagtgaagac ggtgtaggaa acagcatcac taaatgaaag 120
acagaatgga ggggtgaactg cgaaggctct gcatgctcta ctggcttcca aaggcattca 180
gagggctatc aaaaatgttg gacactttgt tctcagacct taattcagat gctgcctcag 240
cagattggct tttgggttta gatgctttag cctggaggcc agaggagaaa atatcatctg 300
tatcatcgct aaacatggac ttggctgtga ctttcttttt gggcttttct ttgggtttca 360
cagtcaagtc agcgaagata tcaatattat catcaaataa gttgggttcc aaagttctct 420
ccttctctct tttttttgga aaaggcttct taattgcttc cgtagcaaata atatcatcct 480
caaagatgtc ttgagttttt gacacaacgt cctgatggct gtcagatttc cactgattct 540
ttttgccttt ctgatctgca aagaggtcct cctcatcttc aaggaggggg a      591

```

<210> 141

<211> 538

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851961

<400> 141

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ggataaaaac agtgtagtt taagactggt gggggaacgg tggggctcag atcaaacaaa 60
gacagtaaca ttctcagact cctatccacc catggcctga ccccttcttg tggatccag 120
cctccaggaa gactagatag ctacactggg gttattgcta ggcattctagg gaggggacat 180

```

```

caaccagcct gtgacctcac ttccaactcg ggcacagccc cactttgttg gccagttttt 240
gtcctgtcct taccaaggcc caacgtcatg agcagctctc tccgtgtctc tggagcctgg 300
agtcagtgat gccggtattg ggggctgtgt cctgggaggt gagtgaattt gcctgtatca 360
ctcaattcca ctttacattc cctaactaca gaggcagtgt ctacgtgttg gagccaggaa 420
ctggccccctc cagtctgggg atcattagat gaagtactct tccttctctt tgcccttggc 480
tgagtcagtc tccatctgga ggatggcgct gggctccccct tctgcaggct cataggtg 538

```

<210> 142

<211> 538

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851963

<400> 142

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ctccactgca tacatagttg gtgttcaaaa atttccccaa tgtttgttct ggacacaatt 60
gttattagcc aactcgggtga attcaagaca ttgttccaca caatgaacaa tcgcacacat 120
gagaactgca cctagaatgt ccatcctaga atctccatcc atccagtcaa agtgctgagc 180
tactgactg aaggaaacat gacctgtgtt ctagaacgta gctggctatg aagtttactc 240
atgtgtaaat tccttaaaaa gattaaattg tttggcccat ttctatattt cataaaataa 300
ctataattac aaactttcta aaaataattt tacaaccatg taattatgac taaccatata 360
atctaaaaag taagtgaagt cattgtccta gagattgtct gagattattc tgctgagaag 420
cttacttcaa actcttatca ctacttccta cttccagtgt ccttgaatta agaacagaaa 480
ttgtaactat gctattctac atcagattga cacaacctac ttctaagtac actattgc 538

```

<210> 143

<211> 432

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA851967

<400> 143

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agaatggctg attcaccctc gtgacttggg ctggatgtca ctttatgaaa tggtagtttg 60
tcacaggggt gagtgctgtt aacagcagca gtcctttgtc agttcgtggg actgctttct 120
tgttggcatg tccaccaggt cttttcctgc tcatctctgt attgctaccg aataggactg 180
gatgcctgta tggagagtgt ttggttgttt tggttttggc ttaaagaaca agcaaaaggg 240
actgagggga ggggacagct gccggttctg ctgtcccaca ggcattccct tcatgcagat 300
tcgaagggtg ggtctagtgg ttggcgctg cccctcccag tatccccagg ggctccgtta 360
cccaggcgac atagaagcta ccacctgaaa aaaaacgcgt cacacgggat ccattttcat 420
atgagccctg gc 432

```

<210> 144

<211> 458

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA852018

<220>

<221> misc\_feature

<222> (1)..(458)

<223> n = a or c or g or t



<400> 144  
 cggagctggg gactgaaccc agggccttac accagggctc taccactgag ctaaattcccc 60  
 aacccacacct tttggctttt ctgatgaggc ttgaactcca ggggtgtggg cattgtgtgc 120  
 tgagcatgag caaaaccctg agttacagct ccacattaaa gataaaaaca caaactccaa 180  
 cctcaggaag agggaatcac agcaatgtgg atgatgtatt gtgtggattt gaatttagca 240  
 ccatttgaaa ataaggcaag attcttgact ccgagttttg catctgggtt ttgtgggaca 300  
 cgtgcaggac tccatggctg gtcagcagct ctggcagact cctccacttc aagctgagta 360  
 gtttttcttg ggacaatgac cttcacttat agcagacctc cctgnngggca tcagccatgg 420  
 aggagcagat gtctggcttc tctgtncctt ggtacagc 458

<210> 145

<211> 519

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA852027

<400> 145  
 gaaattaata atttctcaatt tattaagagg tctacacctt tacagccacg gtgccagctc 60  
 tggcccggca aggtcagcct ggcagccctt ttcctacatc cacctggagc tcccatgtgg 120  
 ctgcagccca ggactgggca gtgggcgttc ctggtggcag ctggtggcag aggtattgag 180  
 gtggcacata cagctttgtc tctacagaat agttccagta gggtagagag tccaaatccg 240  
 tgatgaggaa tataggatga cttggggaca aaggctgatg gtcttgccgg tggcccagct 300  
 gggacaggct ctaaccagcg ctgccttgac tgttgccctg ggctgcagcc agctggcagg 360  
 gtggaggggg ttctgagttc taccaacagt cgcgcagccc tcttcgcaga acaggtgtgg 420  
 gactgcccct ccccggtggt gccttgggaa ctctgcacat ggggcaactg cagatgaggt 480  
 cccagagagg acggagctgc tgccgccaat cctgtgggg 519

<210> 146

<211> 481

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA852038

<400> 146  
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 tgtccgacat ctttgacacg ggaaagagaa gagcacacgt tggtaaggca cctgcagagg 120  
 agcgaagccc ccccttttgg cttgagactt ctgggtagct gcttgacagt ctgtcgagca 180  
 gaaaacaaag tcatcgaaag tttgctctca cccaggcttg aggtgacgat tttggagcct 240  
 gctacagtgt ggcttttctg gtgaggtgag tcggcctaca ccgaggcaag gctgaagagg 300  
 cacctctcca cacagctcac agaatcctcc cagacaccag gctgagcctc cagccgcttt 360  
 tcagctttga agagaaccaa ctttaatccc acccaggcac atgcttttaa atttctcagc 420  
 ccaaacttct attttcaaaa cgtaaaaatg caggaaaacc tcaagtacag tcagacctta 480  
 c 481

<210> 147

<211> 453

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858448

<400> 147

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tttttttttt tttttttatt atatactaaa ttaaaacttt attggataaa gaacactctc 60
ccgagcacat gattggatgg gctaggtcta cattacatgc tacgaagccg aacacgacag 120
cagtttaacg tggaatgtca aacacattag tttctcattg tacaaaaact cttttctgta 180
gctgacgcgc aagagggaaa cacatgataa ctcgacattt caatcatctg tgatgagttt 240
tgtttttgtt tttttttaaa aaaagtcatt tgaagaaact ggtgtcttta gcatacagtt 300
caaataaatt agttacatgt gcactgttga aacctccctc gccccttagt gtttcaaaca 360
aagtcttagt gcaaacatcc aagttgctcg tcaatctaaa agactgttaa actcagaata 420
caagttctga gttatgtgta gttaagtagg aca 453

```

<210> 148

<211> 522

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858548

<400> 148

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cggccgaaat tgttttattt ttttggtttt ttttttgacc actcagacac ggatttaata 60
attgtagaaa tccaaagaat aagcatcaaa tctcgaagtc agagtgaact cttgcctgcg 120
ggttggtctg actacgccc a gccactgagc tgcctcaacc agccagggat ctatgaggct 180
gacttctgtt ttcattgatgt caccatattg agtatgtatt ttgtctcaat aaagcatttg 240
taccgatggc tctggagctt ggaggaagac taaaggaatg tgtagtgatt ctgagtaagg 300
tgtggaccta cacggcagaa ctatctgggg gagggaaaaa caaaggcctt tcttcccgtg 360
tcaggacagt cttgagtggc tgaactaagc acatgggcca ctggggctac actgtctgaa 420
ctccgacagg tcctgctcct ctaggagag cttgcagttg ggagttttag cagataagca 480
ccgaaacagg tttccgattc cttcctgcag ctggtgtgccc tc 522

```

<210> 149

<211> 454

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858573

<400> 149

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tttttttttt tttttttaca ggaaggggaa gatctttatt gcaaagtgga gcttatcaaa 60
ggaaaaagac acaattctcc atgtccttca tttcagcttc tgcttctctt tctttcatgg 120
aatctccagg atgtcactca aagccagaat tgactcttgc tctgcgttgg aggttcagga 180
accttctatg ggcaggagga tgtccctcctc tcgtgatctc tttgggttca tcataaagaa 240
agccaagtag ataatcattt cttcgtcggg gggatcttgc catgtcccca aaaatcatca 300
cagagtagcc cctttggaag gcgcaggtgg agggatcacc agactctctt aggcattgtag 360
tttcctgaac ggtgaactct aagttcatga ccagtgtgtc ttcattccagg acattaactc 420
tcttcaggga gctccgcgtc gcccgaaaca ggta 454

```

<210> 150

<211> 472

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858588

<400> 150

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tttttttttt tttttttcca tttggctctt tttattagag aaatcgagaa gacagcgagt 60
agggaaatcc ccatagttaa tggaaccatc acatagatgc ctttctggaa ccccaacctt 120

```

```

ctatgatccc caaaagtgtg cttgtgattt cagcaactta caaaggggag aggaaatact 180
gagaaaggcc actattttaat aatgaaggag tgaagggtgc tctaaaactgg gctccaaatc 240
tccgtgggtg ttgtcattgt tacctcccct tgtatcatca agttgggtgcc cttttctgag 300
ccttataatct ggctctggag tcctgggtgca ccccaatcgg tggtcgggtg gctcgttcat 360
gggataccaa agccttcctt acaaagtggg ctttctttct gtcccttctt cttggggagaa 420
tggatttcta agggatgggt agttgaccct ccttcgcgacc caggcaatct gt 472

```

<210> 151

<211> 354

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858704

<400> 151

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tttttttttt tttttttgat taaagaaaga actctgggtt ttaatagttt tgatcattaa 60
aaaagttaa acctgcatag caatcatttc agaaataatt atttaatgtt ccataattaa 120
actgtacaca acctagtcgt gggacacata agccagttag gtgaatggag cagtctggcg 180
cggccccagg agccaggatt ccagccgagt tttgtcactg tgttcatcta agctgttttt 240
ttccttttct tttttaaaat cttttttgtt ttttttagat ttagtttttt ttcatttttt 300
gataacttggc acagtctggc tccaccgatg ggcattgagca gatccctcgt gccg 354

```

<210> 152

<211> 526

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858716

<400> 152

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tttttttttt tttttttact ggtgaatcat ttatttagac aagacaaaaa catctccacc 60
tggtttctct ttatacagaa agtgaacat ttcaaatata ttagcttttc tctttttcga 120
cagaattcgt ttcagtctgg tcccaggaac tgcttctcat gttaggattc acgtttcagt 180
aacacgtatg cgcccatcac agccaaaaga gcgtacttga acttaggata gtcgttcatt 240
ataatggtga ccatgccaac atatggtaag aaccctcgag ctcttcctac cacgtccttc 300
ttctccagcc agttctggcc ttctttgtac aagcctcgat catcaacttc attagtatct 360
cctttagtca gaaacttgat gtctccatta tctttttcat gaaccttgat tactctgtga 420
actatcgga tgtctcttcc ttcaacttta aaaacaacta tttcaccagc tctgatggga 480
tcctcccga aatttgtgag gaacagcaga tctccctgt gaaagg 526

```

<210> 153

<211> 539

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858758

<220>

<221> misc\_feature

<222> (1)..(539)

<223> n = a or c or g or t

<400> 153

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tttttttttt tttttttcaa gtccttca tgctctttat taaaactatg caacattctc 60

```

```

catccttttt atctcccaa gcaattccac cctagtccaa aaagaaataa gaagaaggag 120
aataatagaa attggaccag ttcttaagtt tcttcttcca tgtttcttgg aaaacagtgt 180
gtagtcaatt cttcttcac cgtggcttca ctgtggcacc ccatttccag tgattgatct 240
tctctccaaa caggtagagg ctggcactca ggatgtaact ggctgagaag aagagaataa 300
taccacagcg gctgagggag gcaaacacgg ggtacacca gtttccggtc tgaacgtagc 360
gccaaaggat cctgataatg taagcaaaat tacaggcacc cagcangctg agtcctagct 420
tcttcgatgg atagttgtgt ggtctgagaa cggtttcagc cagggaaaag ggaaatatgg 480
aggtatgcat tgcgtgatta aaccatgctg gaaagaaatc atccaagccc ttggggtaa 539

```

<210> 154

<211> 554

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858760

<220>

<221> misc\_feature

<222> (1)..(554)

<223> n = a or c or g or t

<400> 154

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tttttttttt tttttttaat ttcacttttt attattcaac attttatata taataaatac 60
aaacttttta cagccactgt aaagaaagcg catctgcacg gaggtctctt ctgagccctg 120
acctgtgcac ggtgatgccg ggttattcgg cctggagaga agggttattt attttttttt 180
tttaaaaagg aggcataatat ttttacaact ttgtttctta aaataaaatt agcagctctt 240
ccaaaaatat tttaaaatat aacaaaagag ttcgaataac tctgaggtta tgggaaactc 300
aaatccatgg acaatttggg tagctcaaca gaatatgggt ggcaggaact gctctattat 360
cagcactttg aagatcagca natttgaaaa tcttaaaata ccctttcaat tttttaaact 420
taagaataag tttgataaac ataaaaagac ctcaaataga tcaacagata aatgcaaaaa 480
ccaaaaatcc aaattcatgg agaagattca tcagagtatc attgctaaag ttattgaatg 540
actgaaaatc cttt                                     554

```

<210> 155

<211> 384

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858852

<400> 155

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tttttttttt tttttctgag catgagtttt atttttactt tccctgtcct actcatctct 60
gccttccttc tctacctccc tctccctcct tcccttcaaa ctgcaagcat caggcaagta 120
gaaatccagg caggttatga acaggactgg aactgccctt cctgacatct ccagggagg 180
cttaatgccc cctccattat cttgtgcttc tgtgaaatct gtcagtgagg atcttgtact 240
tctgtgttac ttcataatc ctggcagcca ggcttatccc agagttgttg ctgctccaac 300
agttcggctc tccttcctgc ttccttgctg cttccatagc ttcagcagag gtgtctgcaa 360
tctccatgac tgctttcaac aatt                                     384

```

<210> 156

<211> 467

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858910

<400> 156

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tttttttttt tttttttcca gttgccgttg ctgggtttta tgagggtttt tttggccaca 60
gatgagggag ggtggacagc ctctggtgtg aggggacagg agaccaatc cagacagtgc 120
tcaagacata catctgaaaa agccaccccc cattagaagg aatcactgcc aaatacttct 180
ctgtacacac acttcaatga cacagtggct ttccccagaa cacagcattc acattaccga 240
aagcagcaaa attcacttta aaaaacaaac aaacaaacaa aaaacaagaa acaaacgaca 300
acaacaaaac caacaacaga aaaaacgaaa cagaaaccag aagtgagaat cacaaaaata 360
aataagtcag cacattctgg gtctgtctgg cctgagaaac agacatatcc atcatagtct 420
ggttatcagg aacagcttca aggtcaggt ctctgaggtc cccttga 467
```

<210> 157

<211> 507

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858926

<400> 157

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tttttttttt tttttttcca gaacaagttt ctctttattg gtattttctt cttagttact 60
attaatttcc tataaggaag gctttgtgca gggctctact gcccagatg tggctctgga 120
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tcagaagagt gtttgagcca tacagagatg atagggggaa atctccttgg tgatagaaaa 240
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cttctggctg gagagaggtt tgcttagcat cctaaaagca atgccaaaaa gctctttctc 420
agagcttttt ttggggggcg gcacatgggg gcatcattct gccgcactgt gcctggcctt 480
ccctggcgctc acgtactggg ggacact 507
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<210> 158

<211> 511

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA858953

<400> 158

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ccatcggaac acacgacatg catttggggg agagcaactg tgactgcag ccgctgtaaa 120
cctgctgagt gtgcgagcag cgcagacggc acccaggaa aaggcaggga tgacttagct 180
gtctacggtg gctaagtga aagtcttttg gaacagattt actttttgtt actcaggaat 240
tacatcaaag aggaaagccc taactgcccc ccgttcttaa actaaaggct aaggggggtg 300
gaatcatttg ataaccacc atccaaatca cgttcattgc aaactgtaat ccaattcccc 360
ttcattaagt tttccctgtc aaccataacc cctcaggatt atacacactg tatgagttca 420
gaaaagatta atgtgaatgt aaggggtatg tattcgactc cagcatcttt gtcacatagc 480
caattttctt taaatgtctg ctataacaga t 511
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<210> 159

<211> 353

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859085

<400> 159  
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 gaaataattg aaaatacaga aatattttgt tagtacaaag acattacctc aactgtcctc 120  
 ttagtgaaaa ctgaatatgg tctgctgtgat ctattagggc aatagtaaaa ataaatgtct 180  
 gtgttacata agagctttgc ataaaaatcc ctgtattgtg tgtaatgtat gatatcgtgt 240  
 acgcgatgtg tgatataaaa gttagcaaaa tgaaaaataa aacagccttt gtggattagg 300  
 cagaaaaata tcaaaccga tgccttttcc ttatttcagt gacacgtggg aag 353

<210> 160

<211> 376

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA859130

<400> 160  
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 gtccttaaat aaagtgttca cagagtaaaa atcagaacta ccagtccttc cctccaacac 180  
 aacagagcac aggcacagaa ccgatagtcg atgagcccaa ggagtaagga ggaggctgga 240  
 gaggacagca gaggctaaaa gaaaaggaca aaactcagtc tcgggtccaa gggctcagaa 300  
 cagtccaagt gggcagggtc cggttgactg ctagtcccgc ttggccttct tcttgtcact 360  
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<210> 161

<211> 581

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA859150

<400> 161  
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 ttgtgcatgg taacgatata cacacatgaa tcttgtttct cccgtgtttc aagacagaat 120  
 taattttaag ttttagtata gactaaagca tccaaaatac tgtggtacgt atgtagctac 180  
 gaacatacaa acacgttgat gcacagcgtc cgttctatct aaataggcag tcagcatttc 240  
 aattcataaa agaacacatg aggaggctgt atcattaccg atggcagaaa acgcaagacc 300  
 agcggctctgt acacaaaatg tgtgagacag atgtgtcaag gtggaatgta caaaatcttc 360  
 aaagaaacga caaggaaaca gacaaccctc attctcatag gcagcctcag aaggccgcag 420  
 tcaggaatga taagaaagaa cgtagcaag ggacgcttcg ttgatagcca aacgccccat 480  
 gttgtaaagc aaaagcattg aggttaaagc tgtgttgctt ttgaaaagta atggaagtgc 540  
 cgtacattca ttggaacaag atagctgatt attagtctct t 581

<210> 162

<211> 606

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA859230

<400> 162  
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 tttcaaatac tctttcacaa ctgagatttt attggtcgag gagtagagta cacagacatt 120

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ccaattctta acacacgtac ccaaactctg aagagccgta gtgttcatgt accctaattc 180
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acttattcca gtgatgtctc agcctcaaac ttggccagtt tccttacgac ctctcataac 300
aaccgaatgc tcacaatgct cagttccacc aattcacaat tttatgtcac acacagaaca 360
tactcaaaat caccatcttt cacagcacat tatcacaact gttaggaaaa tggactgcca 420
tgaccacaga catcacagtt ctgacagggc gaggacaaa gactggcttt cttacaaaat 480
ggttctacta gaaacacggg accagatata actgaaaata ttccagacac gaatgcatga 540
ctgagacccc aaattgccat ttagtatgct ttgtactgta ggatataaaa ctagccccct 600
ctacgg                                           606

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<210> 163

<211> 550

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859241

<400> 163

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cggcagcaaa ggttttttgg cttttttttt caagttcaac aggtctttat tgaatgtcat 60
agttcaagag gcaaactctgg acacactggg atcagtgagc ttgaaacagg atcactgatg 120
cattggtgat gataattcct agcaaagtgt attgattttt acttgatttc caagtagctc 180
tcaggcatct aacctgtgaa acagtgactg tttacatata gggatgcaag gggacataag 240
aatcagagca gaaaggaaac aacataaggt acttcacgaa aataatgttc caagaactga 300
aaagcctcga aggtgtacaa gaatccagta ataacaaact catgttcaag caggattaga 360
aacacagcgt taaaactgga ctcagtgccg tgtcttcacg tgcaaacctg ccaacactga 420
agaggatcat cccattttcc tgtgactagt caatacatta cgaagtctct ttgcaaatca 480
ctctgctgac aagtaacaaa actgcactga aagcctttac tagtctctct cccctccctt 540
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<210> 164

<211> 563

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859327

<400> 164

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tttttttttt tttttttaaa ccaactttgt gatctttatt gacgggtgac aactttatac 60
tccgaggaag cactacactg tgtataacag ggacatggca tcagaggtgt ggcagactcc 120
acagcagaca ccggcaagtg tccgtccctc tgcccactgt tcatgtgcac acagaacatg 180
aatgcgattt gaaatctgtt cacggtgata aagttacaat ccgccagcca cctctgcagc 240
ctgacgtcta cccacatgtc tgaccgcgca tgtctatgtc agcagtttcc ctcttgcaat 300
catttaaaat tcgtttcctg ttaggaaacca gcaacatatt tttttttata tttatctcct 360
tttgaagtaa gagctatctc atctctgata actgggtcat ttttgtcatt tatcaaaaac 420
taaagggtaa aggaagaaag tgtgatgaat taaaaaaatt atttttttta ggaaagataa 480
aattcatttt cacaatttta caagagctgc tgggtgcggga cttattccac tacgcatcaa 540
actgggaccc agtgcgagcc acc                                           563

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<210> 165

<211> 556

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859341

<400> 165  
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 tgcctgtaaa cataagatat gaaacaaaac aacccaaatt ttaaagtcta gaagcatgcc 120  
 aagacagatc atttttacag accaaagagt cccaccaaaag tgataaagga cacccgaaa 180  
 ggggcaggtc aagggggctg ggtccctccc ccggtgacac tgtgttgttt gtgatgagac 240  
 ttataaaaaa caaccacta ttagaactat gagaaacacg gagatagttt agcaccaccc 300  
 aggatcctgg agatatgtta gcacttacgt ggacccctac tgcattcaat gtccttgtct 360  
 ccgtttctct gctgagggtg ggaggggaga agctggggga aggactcctg ctgaccacgg 420  
 taagctggct ggggataagt ggacactagg aagtcctctg gatttaggtg agtcccggg 480  
 tcatttacct gcttgttctt accacatggc agcagcggcc actcacatct gccttagaag 540  
 ttacctgggt aactgg 556

<210> 166

<211> 255

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859342

<400> 166  
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 ggcattgtggc atttcccacc ctactcgggc cttgatcttc taacttgctg tccttaaagc 120  
 tcttgcatg agttttggcc taaaatattt tttcaaaata aagtctaata agctgatccg 180  
 cgagtaagcc gctaagcata tccacagggt agtcaatcac cctgagcaat taattgcaaa 240  
 ggggttcttg gcaca 255

<210> 167

<211> 558

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859348

<400> 167  
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 aggagctggg tcagattttg acagagggtg tgggaaggga aaggggagaa gaaatcgaca 180  
 tttattttat tatttatttt aaatgtttac atttctttgt gttgttccaa gcctgaatag 240  
 aaacagatag cattaaagga ctctgttccc accccttctc tgtctctctc tccccactt 300  
 gtgctaactt aggataacac tctctatttc gttttgtttc taaagtgatt tgtggacttg 360  
 tgccgtgtga actgcattaa aaagggtctg ttttcaaaga tcgattgtcg ttctgtgagg 420  
 gacagtggct cctaagaaat ctgcattgta ggagaagaca atgaaagacc ctggccctgt 480  
 ctctcaaaac ttaactctct gtatgattta aaaaaaatt ccatttactt tactttgtgg 540  
 ttacttgatt ttgaggaa 558

<210> 168

<211> 515

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859350

<400> 168



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tttttttttt ttttttttggga acaataaacac tttatatttcc taacacacat ataaaaggaa 60
ataatctgca aatttacaga caaaaccata tatatacata tatagggtgca cacacacaca 120
cacacacaca ctctctctct ctctctctct ctctctctct ctctctctct ctctcacaga 180
tacatacctc acaagctctt gccaggctcag cctttcatct aagcaccatt ctcccacttg 240
ggctctctta ggacctgggc cccagagctc acatgtaaaa atttggtact aacataccat 300
aaccatgaa cagtagacct ctctgttctg tctcttgtct ttccattccc attaccact 360
aaggaaatgc aggaagcttg ggctcagtag ccttcaaaaa acacaaaaac aacgacaaaa 420
atcagaaaca gtgccagct tccttactca gggatgtatc tgaggactca cgccacctcc 480
tgacttctgc ccaaaggga agcgttccaa atgag 515

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<210> 169

<211> 561

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859362

<400> 169

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tttttttttt ttttttttgag acttatacaa tcgctttatt ttctgtcccc ctccccgaaa 60
tgtaacaaca ttaaagccat tccaacgtag atctatttct acggctcctt gcatactctca 120
ttgtagctga agttagatgt ttcagtaacg aaatgaagggt tatctcatca aaatggtggc 180
acatctcaaa gacgggtttc ttgttcctgt aactctctgc ctatccctca aaacctaaaa 240
ccccctacgg tccagagcta acaggaagac agccacattc ttcggggaag aagggacagc 300
cgaaggggcg gggccgggag aaggacaagg aattggggca gaggagacct tcacttccac 360
tttctcagca ggaggaggtg gtttctgaga aacaggctta gagtccgcct cctgcggtat 420
cacttgaatg gggatgtgtc caggagggag atctggtcca gctaggcctg gcttgctttc 480
tggtttgttt tcgggttggg tgacaggggg aggcctctga tgggtcatgg gctgaggcct 540
gtcaaccact gtgtgcacac g 561

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<210> 170

<211> 548

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859536

<400> 170

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tttttttttt ttttttttact ttttaattgt ttaactttat tactgtcgca ccattttatac 60
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tattttccat tttccaatgg gtggtgtgtt ggtgtctgag acacaggtgg aagaaactgg 180
agctgcaatg aaggcagact tttttatttt tcatttccac tgaccaataa acagaactac 240
aggtgcaccc aaccacggac atgcattaac tcgtcatgag aaatctaggt aggctaagta 300
tgatgagaga atgtttgtca ctcccaaaaa tatctggaga ggaagaatgt agggttggca 360
ttgagatata atgtggacaa gctaagtggg ctccgtctga aagttggcat tcatccacaa 420
acgttaaaaa aataccaaaa taagaaaagg ctgtaaatta ataaggaaac acagaaaata 480
ctgctttcat aaagatctga ttgccttggc actggccctg tgggcagaat caaacgcctc 540
cctcccca 548

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<210> 171

<211> 533

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859585

<220>  
 <221> misc\_feature  
 <222> (1)..(533)  
 <223> n = a or c or g or t

<400> 171  
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 aaatggggac caggtacccc tgggctctgg gaaacaggca tgcagggaac ccttgcaggc 120  
 aggggctggg tagaagagtc ctggagtttc ccataatcct tcgcaggaaa cagcaatgct 180  
 ggcagataag gaggtggagt gaggcagggc ccttcaaaca acagggtggc gggccaaggg 240  
 gcttggggct cactctaaca tgcaaagtcc agctgcccc aaaaactagggt tgcttttgaa 300  
 gagcgacata cgtataaata cataagacac agctacacgc acacatgcgg agaaggctct 360  
 gcattcccaa ggggtanggat ctaggcctac tggccccaag acaggagtca tcatgtgtct 420  
 gccaccaagt gattctctga aacactccag gtgggtggggc caggcaggta agtcttcgtt 480  
 gggatggctg cttgggtctcc aagggtgctgc ccactaggca cccaagccac ttt 533

<210> 172  
 <211> 400  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA859633

<400> 172  
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 aagtcttctc caacagcgag aaaaatgtac agttactcaa agctgattct gccagtgggg 120  
 ctggggacag aagtgggcag ggtagggtga aaccacagag ggggatggag ggtgggaggg 180  
 tcagggtcct gcctgtcaga gtagggccgc ctgcgtcctg cactctgctg tcagggtggg 240  
 gggaatgatg aagggttggg ggtaaggagg atgggtcca cactgtctcat tccccactg 300  
 tcatgtgtct gaagggcagg ctgcacaagg tggtgtcag tttgtctctg aggaagtctg 360  
 ctctcttggg gaaggacagg tgtcagcagt ctgaaggagg 400

<210> 173  
 <211> 545  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA859645

<400> 173  
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 tgcgttggtc ttccacatcc tgggattaca aaagtgtact accttgcata gcttccaaca 120  
 tgtttttaaa agtgctctga aactttcttc accagaatat tttctctgag tgtatgtgag 180  
 tgaagttata catatgtaca catgcataca gaagccagag gtcatgaatg tcttcctcag 240  
 ttactctcta tcttattttt tgagacaggg tgtctaactg aatctagagc tcacagatgc 300  
 agcttctggc tggccagcaa gcccagggg tcttgatgtc tctgtctcc cagtctggag 360  
 tggcaggcac aactgcatg tcccgttttt tatgacagtg ctgagagtgc aaatccaggt 420  
 ccttggtgctt gggtagcaat cgctccatct actgagcatc tctccgacct ataaccacac 480  
 tctgagccta ctcacagtct catggcaaag gcaaagaaca ccggatcttt ccgtcaacac 540  
 agatt 545

<210> 174  
 <211> 283  
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859648

<400> 174

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cagagcaaaa gccctccctg ggccctcccg cagtatgcaa ccagtggaac ggtctggaaa 120
tctgcagctc tggaaaggct cctggctcag tccttgagga atgcaggcag ctatatggga 180
agaacctgct ccaggatggg tctggatgag atggggatcc tatcaggga gatgacttca 240
aattcgataa caaggtctcc acgtttctca ggtgttttgg gga 283
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<210> 175

<211> 483

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859700

<220>

<221> misc\_feature

<222> (1)..(483)

<223> n = a or c or g or t

<400> 175

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tcagctgttc gattctgtgc ccaggacagc aattgctgcc tggcgccac tctctataca 120
gtcattgaca gctacccct cataggaggc cccagccaaa gtcaggggca acctctgggc 180
cgtcaggaat tgcagagctg agtctagttt ttgccagtgg cctagtgtat actgagggat 240
acagtttttg tgtagatgga ccaagcaatg gcttggttgc tctttcagtc ctaactgtgt 300
ggcagccgct tcctgtgctg ctggttgga tagctctgga gacaattcat ggccattggc 360
tttcagcttc tgtaaccagt aacctccaa catcacagtc agtctgaggc ctgnggggtt 420
cccctcctgc tcaggaaaag caaccgagtc atacacgatt cccaggacgg tcgggtcttc 480
tga 483
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<210> 176

<211> 477

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859722

<400> 176

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agaagagggg caccagagaa ttcttttttt ttttcattta ataaatacaa atgaataaaa 120
atactttgtt ttgtacagag accgcctctc ctctcttctt ccccgccttg cttgccagga 180
agggtgagg atggcaacat gccctgtggc cgctctgcat gggcatctcc ccacacagac 240
cgcttctcac agagagggct tcattctcagt ggctacaat actatttcgg tacaatcccc 300
tcctcctgca cctaccaaca ccagactctt gcctttcaaa cagaccgact cccctgggag 360
aaggaaagca caggcccca caggtgccg cctggagccc catagctggg gactcgtgac 420
accatgggac atgcacgctg gccactgaca tgtgggcacg ggacagaagc agacagt 477
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<210> 177

<211> 503

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859837

<400> 177

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gactcatgtc ctcccaggag agcgtcatgg atgtccaagg gccttacacg gagctggaga 120
atggaacgac ctgctttcca cccacataaa cctcctcaat gtttcgggtca tctcctagat 180
agaggaactt ctggataaca gcctcagaaa taccaccaac gaaatcccca caaacagat 240
caatgggaga gtccgatgct ctgggggttg tcaagagggc atcaaaatcc ttgccgacct 300
caaagtttcc aatttcacga tcaagcccca gggcttggct tcctccaaga gtggctagtc 360
tgaagacttc tttgaggggt aggtttttct cattcacctt attaatgaag aggacgttgg 420
aaaccatcac tgctcttcgg atggcgtcaa gcatggaata ggagtaacca ccagccacat 480
ctgtcccaag ccctatcttc act 503
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<210> 178

<211> 534

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859933

<400> 178

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tagaagcaat gacaaaaata accacttaaa ataggggatt cttccccga gtttcttgta 180
agcgtaagtc caggcattcc actcttccac tcagaaaaga aaaataaaaag gctttggagc 240
acaccaacct ttactcagat ggacaaaaca tctgcctcca gttctcacgt tagaccagga 300
cgcatatcca gagtggctgg tctccatcca gcccatgctt gctaaagcag ccgagtaaat 360
cccaagggtc gtcccaaccc caaccttcaa cagtatgaac tgcttacacc tcttatgaca 420
caagccatgc ttcggcggaa gggtcgggtc agacaccct catctcccgt ggggtgaatca 480
caacagcagt catgtttgtg ttctcttccc tacagttcag tgtgcaaagc catt 534
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<210> 179

<211> 380

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859938

<400> 179

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attttataaa ctcaagctca gggaagcttg tttttgtcct ggaaaacaaa acaaagacta 180
aacaagctt tcatagtatt atttgcaaac ctgacctcat ttagaaagag atgtaattgc 240
atggctagaa cacagcttct agcatgaatg atgcaggtgt gactagtggg actaagagga 300
gacgatgcac tgttgacaag attataatct gctgggtggc ttgctgaaaa aaaaaaaaaa 360
aaacctttgc cctcgtgccg 380
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<210> 180

<211> 425

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859971

<400> 180

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gtcagtttct cttcttgctc ttgccagtga ctttggacgg cgtgagggct ggagctgtag 120
cctggtacag agtggaggat atcttggtga tgttatacag accaaccatg gagaagatga 180
atcaagtggg gacacagact ctgtggatga ggccatatgc gaagagtgcc aattcttatg 240
gaaacgcctt ttacagtcac cgctgatgtg ctcagcagat acagtcttga aggtccggag 300
gcctcttggg gtttctacat atcccacaat agccacaacc accatgggtg gggtttccac 360
aatggtcaca ggctcgacaa cttcgggtctt attcacctta gatcctggcc ggtcaacttc 420
ccgga 425
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<210> 181

<211> 499

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859980

<400> 181

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gttcatcatt ttggggaagt caaggtagac gtttgaagca agtaccatcc tgtctgggtca 120
agcagagaaa taaatgcact gaaggcgctt gctgctcact ttctaacaac ccagaggcac 180
acttgttgga acggccaatc ttctgactag aatagctaga atacctaccc caccacctca 240
gcttagaaga ggtcactgaa tccaatttcc attacaggat tggctctgat ttgatcaatg 300
ggaaaccaca agacaacaag caagcagggg tgtttgagcg aagagcctga agttcaaacc 360
agaagccaca tccccattcc ttgaatggat catattgggg gccgtgcata acggtgcatg 420
tctttaattc aagtactcag gaggcacaga aaggtggatc tctgggaatt gaagccaagc 480
tcatctacaa aacgatttt 499
```

<210> 182

<211> 591

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA859994

<400> 182

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tttttttttt ttttttttaag aaaaaaagaa gtatggctta ttatgcattc ttcacgcagg 60
gcattgaagt tgcattggact gataaaagtt gatgcaaat gagaaagaaa caaaaaaaca 120
aaaacaaaaa aaaaaaaaca aaaaacaaaa aaaccagcaa aatgtttacc aaaaaactca 180
aacaaatgag cagtgcctgt tcaatttcac agtctctggt gagttcagtt gtaaatatgt 240
ttcaaagac attttcttgg gaaaaaaaaa atctctacaa cattgtggaa tgtgaggggc 300
aactgtctcc cgggcatagg cgtctcaaag ctgcagtaga ttgagccttg atcaggtggg 360
taatttgtgc ttttatcacg gagaactttg agcatcctgg gaagaggtgc cccacactca 420
atgatatttc tctgagaaca actttttagt gactgtgttt ctttagatac atttagtaca 480
actgtaggtg acgagtagtc agtgattgct tgctagctac acaccagggt tgatccattt 540
taaaactttt ggcattttgt cctcgtgggc cataaatata gaaccttggt t 591
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<210> 183

<211> 417

<212> DNA

<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA860010

<220>  
<221> misc\_feature  
<222> (1)..(417)  
<223> n = a or c or g or t

<400> 183  
tttttttttt tttttttgac agtagccatt tcagttttat tttgacattt cactcacatg 60  
caagggggtg ggaggtgtag ataatccagc aagcatctcc ccatcaggaa attatgtctt 120  
ggggcttgga atacagaggg gaggtgcaga ctgcattcag tggagaaagg ggaagcccag 180  
ggggagctga aactgagtag ggtcttatga gaactggtag caaggagcct gggtaaggcc 240  
tctggcaagc aggtccccta agtctgtcaa gatgctgtgt atggggttca gaaggacagc 300  
accctaaaac agagaacaaa cttgccctac tttgcttcct accttgggtct ctatatgcac 360  
tcatgaccct gaatcccatt gctgttaacc tctgaggtct aattccttan ggactgg 417

<210> 184  
<211> 308  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA866240

<400> 184  
tttttttttt taaattttaa gggaaccttt attttaacc aggaatgggt acacaatgac 60  
acaagggatc aaaaattgtt atatgaaaa aataatacaa gtggatttgt gcaaaaaccc 120  
caaaaactgc aagtgtcttc gggatcttaa aacaaaattc aggatgggtg ataaagggaa 180  
gggactgggt aaaaacctga aggggatttc aaaagggaa acattttaa ccaaaatgcc 240  
cgatttatct aggaaggaat gaaccaaacc tggaaaatgg gtggcaaaaa ggcaaaacca 300  
ttcaaaac 308

<210> 185  
<211> 493  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA866276

<400> 185  
tttttttttt tttttttcat ctttatattg agattttttc tcttaaaaaa aagaacatta 60  
tagatgtgag ggggtggaaa ggatgactga cagcaggtgc tatagaaacc caaagctcca 120  
gaaaattaaa aaaaaataaa atatatatat atacatttat atatatatat ataccaagta 180  
atgcatgtga gtcccagaga agcagaaagc agcagcaaga agcaactagc acacaaggac 240  
ctgggttcat gtacagcaca cacaagccat tccaatcctg ataaccacc ccaagcccag 300  
ccccacccc caagaaaaga tgtttaagaa acttcctct taaatggggc tgcacaactg 360  
gggtactgtg gcacatctgt aatctcagca cctggacggg ggagacgtta agataagggt 420  
tcaatggaag ccttagcgac acaattaagt ttgagaccag cttgggctac attaagaaca 480  
tctccaaagc tat 493

<210> 186  
<211> 519  
<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA866426

<400> 186

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ttattttttt ttttttttga agtagaaata tttattcaga atataagaac gtttgtaaaa 60
tattataaat gtctctgtat aaataaatgg cgtttttttt tttaaacaat tctatatcaa 120
ataacacaaa ttagctatatt tacagcagct aaaaactaaa ggcattctgga aacattttaa 180
gctacaagtg aatctaaaac tgacaaggta tagtacagtg tgtagtagcc actttaaaat 240
gacactttcc atacaagcag aacagtactg acagatgcag cagacagatg tgctttaaga 300
acagtgcatt caagcaggat tttctaattc aagtgggtata aaaaacattt tcaattaata 360
aaaaagttaa atttcatgca aagtaagtta atatgtctaa aagcaaatta gaaatagaag 420
tgaacatttg tagttgttgc atcaggaagg taagtgtccc aacaggagca ctgcagaaga 480
acgctgcgga ctctacagaa tcccttcac atctcaacc 519
```

<210> 187

<211> 301

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA866435

<400> 187

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tatttttttt tttttttcca cctataatgt tttattgtta caggcagtgc tgatctctcc 60
cacgtctggg atgacatcat gtggcatttg acactgctct gtgcccattg ctctcagggg 120
ctacagtggg ttggatgtga ccagggaatg ctccccgtgt ctggggtagt accacgatta 180
gagacatcgg aggcaagcac aaatcttcaa cttcagggaa atttattcgt ccagccatat 240
gctgatactt ctgaattttg ggcacggacc ttcagttcct acttgctctg catcttctcg 300
a 301
```

<210> 188

<211> 534

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA866454

<220>

<221> misc\_feature

<222> (1)..(534)

<223> n = a or c or g or t

<400> 188

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tttttttttt tttttttccc agtgtgtgtc ctttattctc cccagaagcc atgttgactc 60
ccttctgcag gctgatggaa ggaagggcgc tgcccttcat gtggactgtg ctgtggacgg 120
atctgactga gaggagcccc agtaccaagc agaatggagt tgagaagcca gggcgctcac 180
taacagagca ggggacaagt ggccctcctta gaaggtgtgc atgttctggg tgttctgagg 240
taacaggcct gtccacatgg cctgcatgtc cattgatggc ctcccaggct gctagtagaa 300
gtgaggctgt tgctggcacg acgttactgc aagcagcaac agagttcgcg tatccacaaa 360
gctgagcatg tctaccactt agacatgcag actccttgtg tcgcagagcc cctgggtcac 420
cagcggaggt atcacctgnc gggcgaggc atgcgatcgt gaccgttccc tccaacttag 480
tcgaaacctc ccgctgccgt ggtgctaaaa aaaaaaaaaa aaaccctcgt gccg 534
```

<210> 189

<211> 504

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA874889

<400> 189

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tacaagagga atgctaaagg ttatttacia gttgtttaca gaatgaacgg gtggggctgg 120
gactatcccc agtggatcag aaccacaga cacacagcca tggtcacagc ctgacatcca 180
agctcccaca caccgacct ctactagagt cccagaggag tgtgggaacc taaggggcct 240
cgtggagcat cccaggataa aaggacactt aagcccagag aaagcgggta tgtgcctgaa 300
gtcacacagc atagctacia cttgggtccc gggcttccca tttctatgtg cgggctaaca 360
gtgaccagca agagtatgcc caggggatg agcatctttg gcaggaggag ctgaggacac 420
tctatgaggc accattcacc tagatgccag gagcacctcg gtctcagtct tagagtccca 480
cttcaggagc cactgcggaa accc 504
```

<210> 190

<211> 536

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA874928

<400> 190

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tttttttttt tttttttgga aataaacaca acacttcctt tattatataa gtttggcaaa 60
cagcacaaaa atccagcaac attttaaaca tgtaaaaaag tcaaatgtca aacagtactg 120
agtatagttt gaaacattag aaagaatgag tgcagagtta ggattctgaa gctagcagag 180
caaggcttgg tttctgaaca tgtacatgaa acacacatta aaacacaaca acataattta 240
tctttacaaa acccacagcc aggcaatagg aaagcacatc agtggggaag gttctggccc 300
acgtgtgttc actgagtctc acatatggaa gctacatcta cctgaaata ccatgtgcac 360
agggccaggc agggaaccga ggctgctact gaagttaaca attatttgag aataataatg 420
ctcaattaaa tccttctgta tagcaatttc tattataata atgaatttat tccgctgcaa 480
atctgagaag ctgagactta tttgttggca gtataaaatt tctgaccagt atcaaa 536
```

<210> 191

<211> 443

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA874941

<400> 191

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tttttttttt tttgtattga aattaacctg attagattag aaaagcagct agtttgaaca 60
aaggctctca ttatggatcat tcacagctca cttatggctg tgccccgct ggccctgaca 120
catgagttct tcttaccgg ctggtatgtg gagtgtgtta gttttgtgag gacctacca 180
gaaccttaaa gctcaggtgc gcttacagtc ttgtccatgg cttttgtgtt cttattggct 240
gtaaacgtct gtctgttccg aataaagatt tggtcatgag gcctctgctc tgaatgggca 300
tctgtcctg tgtgggtccg gcaggcttca tctactgttc cctcaaggca tggtctgtg 360
tggttggaat ttagtttttt tccatgtgaa gaaatatcac ctttggacct aataaaattc 420
ataacagggt aaacctcgtg ccg 443
```

<210> 192

<211> 516

<212> DNA

<213> *Rattus norvegicus*



<220>

<223> Genbank Accession No. AA874999

<400> 192

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ctcaaagtca attcttattc tctgtaaaaat aatacacatg aacagaaatc actatacttt 120
tggtccaaga tatgttgggt ttttccttct tcttcagatg atggatagat gcagccaaaa 180
tctatgaacg cgtgtacttg ccccaaattg gcagcataaa cacagaagcg atgaacagaa 240
gactcatcac cagtactggg acagggccaa ctttgagccc tggggaatct tctgtgtaga 300
atcgccacat cccccagtc cctgcagagg tgggtgcggc tgcactccgg gttccgcagc 360
tggcattttt tctctgccgg acagtggatc ccgccgccg tgcggccact gctttgctag 420
gagaacgccc agaggagccc acgttggtgg cactaggcgt tggacccggc atgctgatgt 480
ctaagaacag taggcacaag agatatgaag atgaaa 516
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<210> 193

<211> 580

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA875032

<400> 193

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tttttttttt tttttttctg atcttaattc attttattct acaaaatgct actcagtgga 60
aagtaggaaa gccaacaaga caacaagaac ataaaacgag aacaaacccc gagggaaaat 120
aagttttaat atgttcttcc ctccatagca gcaagctcta aacagctttc cttagtgcaa 180
atactgtagg cttgtgtcac acacagtaca cagaacaacg caacacacac caccacagat 240
gcttctgagc agagatactc ctcaaaaatt taaaactata caaagatttt ttgagcacgt 300
ggctctgcct ggagaattcg actagagaga ccctcctagg accatttcac cattactgta 360
aaaacgggac aaaagggtccc cagaaaggaa attagaattc cccatggagc cataaaacct 420
tgtacaactc gtttgccctc aggggtcta atgcaaattc actgcacgtc attgacatat 480
cccaaatacg gatgcataaa gcttgagttt ctacgatata ccaaataacg atatatatac 540
aactcccact gcaaaagaaa ccctgatacc tagtctttat 580
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<210> 194

<211> 561

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA875041

<400> 194

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tttttttttt tttttttgac tgtgaagaca tgagaaatgg cattctttat tcataaataa 60
aaacataaaa gtagcagaaa tagtttacgg agccaacaaa gaacttcaaa aataaaacaa 120
aacgaagcca tcaagagcaa agcaaaccag aaacagggaa gagaaaaata actatgtact 180
tggtcttcca aatgccagtc catccgaagc cagcctctac tgagggtcc agtggttcaag 240
agggaaagca gtctccactg aggggcactg tggcctgttc tatggcgtct gaggagaact 300
caggctctag ggaaatctct ggtccagcct ggctttccct tggacatctc tcttacctga 360
gacacagccc aagctggagg ctggcttcag cttgctctta ggttccaggc actccagttc 420
gtctctagtc cgccgtggcc gtcctcgaa ggtctggcca gaggcaaact ccttctcatc 480
gaaactgcgc tgtagcttct gtagtgcagt ctcccgtgc agcagcttct gctccagctc 540
ctgaatgggt cactcatccg t 561
```

<210> 195

<211> 549

<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA875047

<400> 195  
tttttttttt tttttacaag agtgcagaag agagagagaa actagtaaag gctgaaagaa 60  
aattcattga agatagagtt aaaaaaatcg tagaactgaa gaagaaagtc tgtggtgatt 120  
cagataaagg atttgctggtt attaatacaa aggggattga ccccttctct ttagatgccc 180  
tcgcgaaaga aggcacgta gctctgcgca gagccaagag gagaaacatg gagaggctga 240  
ctcttgcttg tgggtgggata gctctgaact cctttgatga cctgaatcct gactgttttg 300  
gacatgcagg gcttgctctat gagtatacat tgggtgagga gaagttcacc tttattgaga 360  
aatgtaacaa tccccgttct gtcactttac tgggttaaagg accaaacaag cacacgctga 420  
ctcagattaa ggatgcaatc agagatggct tgagggtgtg caaaaatgct attgatgatg 480  
gctgtgttgt cccgggtgca ggtgcagttg aagtggcact ggcagaggct ctgattaaat 540  
acaagcca 549

<210> 196  
<211> 547  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA875050

<400> 196  
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ggacactgaa ctgacaacac cgtcagcatc tggacatgcc caggcagctg tgctggcctc 180  
acggcaccta ggccttgccc ccttgcttcc caccattcat tccccaatgg gaagaccaga 240  
agttaagtcc agaatagaag ggggagaggt ggaggatgct gctggctctg gtacctgccc 300  
catgactcaa ggccaggcct actcccaggt ctctgtccct ctctctgca gggacctagc 360  
aggaacacga ggaggggacc tagggaaggg gtggctggat ggcactctggc ttggagaagt 420  
tggcagcctc agataaggca gctgctggag gaactgtcag gtgcagctgg gacctctccc 480  
cccaagatga cagctgaatt ggcttctctg tggcttggag ctacagacct ctactgggg 540  
catacat 547

<210> 197  
<211> 335  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA875097

<400> 197  
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gcatctcagc tgtgttcagc tacagtacaa agaacaatgg aatagcacca gggaatttct 120  
aaaaagttca caagatccgt gacaccttcc tcttctgac attcttctcg gctaaccaag 180  
caaagaaagc agagcccca ctttccattc cttcagctac tgtccacca gcggtctgat 240  
tttcatccga acggccctca gagaataatc cgctcctctg aagggaaccc agaccactcc 300  
gttctctatc tcatagggac tgttgttctt ggggt 335

<210> 198  
<211> 569  
<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA875126

<400> 198

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tttttttttt tttttttata tataaaatca cattttatttg agactgggac tttcgaagcc 60
cagtctggcc tgatctagtg tccagaagca ctgattagca gatgtgtttt cctctagctg 120
gctacaatgg ctgcggttca ttctattcag atgtcagaca ataggcacag ctgggttcc 180
tattcaaaat ctgaaggagt ctgggaggag gacaaacaca tagatagaat caagcttagg 240
ccaggaacca gaaactacgg attgctttgt taaaggccaa ggaggcttca aaagcgaaca 300
cagctggagt ctcatattcag tctccatttt cgcaccactt cagtggaggt tccatgaaac 360
agcccgatgg ttctgaagtg ccatcaagtc acttcgagct ccagcaactt aggtttccag 420
gacatcttct agaagaactc gatcatccct tccacgttat ggggccactc acctggcctc 480
gatgccacc tggactcgaa gtagccctgc accgcgcctg taccctgatg acgacggatg 540
cagaaaaggt gagggccgcc ctctgtgcc 569
```

<210> 199

<211> 438

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA875225

<400> 199

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atgtgaaaaa agcaaggaag tgttcaacgc tggagggtccc gggcctgggg cgaaggcgtg 120
aggggcctga ccctcagcag gcagcggcgg ttcttagatt agcgctaagg agctacattt 180
aggttaatgg agcctgggcc caaggcttca gggcagggcc ctcagtgaac ttggcagttg 240
tctggaacag cccttgggat ccaattccgt ggagggcagg gcatggggcc gcccaaagag 300
ggatgggtgt aaacaggcag acacactcaa ggcacggaat cactggaaag gggctggggg 360
cggcgggagg gatgctggtc aagacctgac agtttttaaat aggtttctcc aaaaagtgtt 420
ctagatttgc aattttcc 438
```

<210> 200

<211> 540

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA875253

<220>

<221> misc\_feature

<222> (1)..(540)

<223> n = a or c or g or t

<400> 200

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tgtgtggtga actcctcaaa cagccatttg ggatccttct gtatcatttt actagcatag 120
acaagagttc atacaaacat tactttgaat atccgtaaca acttgagcat gaatgttttg 180
gttggttggt tgggtggttt tctgttttgt tttagacat agcctcaagc tgcccaggcc 240
ggcctcagac tcaccacaaa gctgaattct tgggtcttct gcctctgtct cctgagtcct 300
aggattacag gcgtgtgcca ccacactgtg gtgtctgtct atgctcccag tggtggcatt 360
tccgatacag tctgatttag gacagttcct gaccacaaag cctgactctg aaccctataa 420
cacctcactg tanggctggc aaagcaatct agcagaacct caccttcctt acagagttcc 480
```

tgcacaaagt tcaggtcaat acagaaaacg cttctgatga agcggttcctc gtgccgaatt 540

<210> 201

<211> 419

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA875362

<400> 201

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tttttttttt tttttttcat ttagtatttt aataatataa aaaagacaat acaaaatcca 60
aacattcctt tttacaagtt cagatacata tttttccccc aagtgcacaaa tactctgtgt 120
accacattgc tgctgtctgt tgttggtga gatgctcgt gtgtgggagg cggtagaagg 180
cagatataaa tacagtattt tgagatcttt ttcttttgca ttaaaaaaaaa agccatccac 240
gtgataatta ttctctgaaa gttccaactt acatagaaca aagttttgag cttgtttgtc 300
tcaggaagct gatcgagaa ctgggcttct agtccttcta gctctcaaag gattcctagt 360
cgaacgaaat aatggcagaa agacagagtg tgccagcttt gagacaggtc caatgtcaa 419
```

<210> 202

<211> 512

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA875495

<400> 202

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taaaactcaa agtttggtc ttctcagggg cgggagaaaa atgagttaca gctgatctgt 120
acaaatgaga cacagggtag gaaacagcac gtcacttcta aagcaatctg gaaggggggc 180
gctgaaggca cagcactct ctaggagaaa tctgcggcca cttcagagtc ccaccaggta 240
agaaaatacg agcttgcat cttttccgt gtcctatgt atttgagaag gaaaacaaac 300
agaacaaaaa cccagaggac acacagggcg cttccagagc ttagatttgt taaaagggtc 360
taagctggag cgcccgagga gtccctctgc catttctgta aaacaaattg ctctaatt 420
ttacagaaca agatagaaca ggttggcttt tctgaagaag ctgaaacacg aaggttcact 480
tctttcccat tttacgtgtc tcctaaacct gc 512
```

<210> 203

<211> 450

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA875531

<400> 203

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tatttaaaca tctcacagga cacaataggt acaattcaat tttttttctg cttgtccaag 120
aaacaggact tcttcggaac cacggggagg aacgaaaatg aggttggaac agaaacgaat 180
gctgaatcta gagaggagag aatctggggc aagtgttctt cattccttta gttgggggata 240
aggtgaacga gagggccgct aagtcaaatt aagaatccca ctactgcac atcactatgg 300
aggatcgagt cttctgtaat tcttctagct ccatccacat tctcctagta ggtctgggaa 360
gaatagtact agggttatta ggaataatag taatataaat acacctagga ggtctttaat 420
tgtataatat ggatggaatg ggattttgtc 450
```

<210> 204  
<211> 547  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA875537

<400> 204  
tttttttttt ttttaacacc aagaaaacac ttttaatcaa ctacagaaac aatgggttata 60  
gtacagaata ttcataagca aaagatacac catgttttaa gtacttacia agttacaaac 120  
catttgcttc ctttaacattt tctgtttttt ttttaagttc acaacacaag tatcagattt 180  
accattttgc gctttttttt tttgagggaa ggggggtgta tttatcatca gctagatgtg 240  
ctcactgtat gctccattat ttatatgcaa ggcccgggtg actggaagtg cagttgtcag 300  
gcatttttaaat aaactggaca gccatttggt tctgcacgac aaggcatctt tacacaggag 360  
caatcaggag aaaacaggaa acagccaagc actctgcact gcaacacgcc accttaacag 420  
ctaaccagca ttactcaact gctacacaac tgcgcctagt gcacaaaaat acataagaga 480  
agagattaga attgtgtcgg gtaaacaaac ctttaaaaaa aaaataagtc ttttcacctg 540  
aaaagtc 547

<210> 205  
<211> 404  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA875620

<400> 205  
tttttttttt tttttttgct tttaaaagat tttattacaa gcaggaaacc atgcacttcc 60  
attgcaagcc attgtaagca gaaagacaga tacacttcag gcaaggtagg cttttattac 120  
attggctaatt gctcatgttc aagtgaggct ctgggttcagt ctgggctgcc acctgccatg 180  
cctgtgatgt gggacagcca gcacccacgg ctttgccggc tttcacgctc ggatagctgg 240  
caacaaggca gtagtaaaaa ggagtcacac ttgtcagttt tgagtagcag ctaaggcctt 300  
cccagcacag aggacaaagg gcttggtata caatgagatg atcatgacat tctagtcact 360  
tgttaggaact ccaccttagt ctgggtccta agttagccca catc 404

<210> 206  
<211> 216  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA891032

<400> 206  
cccagcccca aagttttatt accaacgggg cacattcgag ttcacacccc aggggggtaca 60  
gcttaaaaca cggacagtga cccgccccgc cccacggcct ccgtgaagag ttgcttgcca 120  
aagcacagct tcttcagggt ggtccccagc agggcattgc ttagcccaaa ggttccgggg 180  
gtcaagacaa taggtcaggt cccccccggt tttcca 216

<210> 207  
<211> 446  
<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891041

<400> 207

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aaatagattc aataaaaagt caaacacaca cacaacaca tcttaaaata gacttttagac 60
acgaagtgcg tgtttcttct ccacagtact gtgcagaggg ggagggcagg gggcgagggt 120
tcctccctag tatccccaca ggctgagtac caggcgggcg ggccagctcc gccgcgacaa 180
cccccttctc cctcctctgt taaatacaca aatatattat attcaatatg aattcagtct 240
ctttccagaa aaaaaaaca tacaaaatac gctggaaggg ggccatgtaa acctcgaggt 300
ggaaggactg ggcgcaggcg ggcaggccag agtccagtgt gtgagctgcg ccccgacct 360
ctgggcgagt gcccatcgcc tgccccctc accccagtgg ggggcgggcg cccagccttc 420
aaggctgggg gtgtccgtat ggagca 446
```

<210> 208

<211> 412

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891068

<400> 208

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gctctgaaaa cactttatta cacaattac attcagattc tgaaaaatag tgttctaaca 60
gtgtaaccat ctaaaaataa gacatcccgg aaacacacca actgaggaga aatttaaaaa 120
tgaatttaaa tagagacttt ttaaaatttc tctcattgca atataatgtt agtgatttta 180
aaaaaataga aggagattta gcagcttttc gtcgtgtggc aggttggttc tcttcactgc 240
cacaggctga gaatgctgaa caggaaaggc accaaagaaa gacactggcg atgggtgtgg 300
actgggagaa tactgtgttc aagcagagaa tagggctatt tacatccacc aactaaaacg 360
tctccaaatg tgaatgagct aaacttcctt cgggggttgg agcgctacct tg 412
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<210> 209

<211> 513

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891108

<400> 209

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aacaggactt ttattggtag taaactagag caaacatca gaataatata tatgtagtat 60
tcagtacaca caataaaagt taaagaaatt caaacctgt ataaaacaaa agagagagag 120
aaatcatata gcttaagaga tacaggggta aaggctctct ccactcttga tcacacttgt 180
ctctgtaccc aatagaactt actgcactta ataagacata cagacatttt agtactgagt 240
gtattaaaag aattaaacac ttttctaaaa atctttcaat gacaagttgg taccctttag 300
ctaactaaa gtaaaagggt ggaggtggga aaagggaatt aactagtatt ttgtaaccat 360
ttttaataat ttcttatttt ccaaacactg cttttataac agaagtgttt tacacttgca 420
cagtattaat tactttatta tacatggaag cctgtggtac gctgggttaca caatgagact 480
gcaactacc agtggtactt tcctgacgtc aga 513
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<210> 210

<211> 474

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891161

<220>

<221> misc\_feature  
 <222> (1)..(474)  
 <223> n = a or c or g or t

<400> 210  
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 ggaattctgc tcagaaaact caaagctgca cctgtagatg ttatttcaaa taaaggacac 120  
 gtgaatttat gtacttggtt ttagcaagag aatttccatg atggtgtgta cctggtctgc 180  
 gcacaccttt tggtagactag ctatggcttc tgcaggaact tcagtctgca cactgctgag 240  
 aagcctactg tgaactgttc tcaggtgtcc agctgagggc aatgctgagg aagaccagca 300  
 cagttgtctt tccttatata ccatggcacc tangcagggt caagaaacac ggcacagcat 360  
 ttcatacaca aaatacaggg agccaacatt tgacttgtca agtttcagat ttgatattcat 420  
 gttgtttggt tgatcctcca cataattcac aacaggaaga gtactgcaca ttga 474

<210> 211  
 <211> 465  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA891194

<400> 211  
 actctcaagc aaaatttatt aggtatctac tcaagaaaaa cacaacgacc tttgctcgta 60  
 agaattcaaa gtcaatgtcc tgaaagccag gcgtgaatat ttttttcctt ttaaaatcag 120  
 atacagagag tagaaacagc aatttttctt aaatataaca ggcaacagag ttgaagattt 180  
 gttttcataa atggtgtgaa aaagtattca tttatcaaca aggctgcagg tggccggctg 240  
 gctggctgac tttccaatcc caagttttcc taatataaag ctagtgtgta actggagagt 300  
 aaagtgggtt tcttgaagat gtttcttcac ttcctgcccc aacaatattc ctctgtaact 360  
 ggaacattgt tattatatgt atttcagagt agttacaaag atctttctga gtcacaaaat 420  
 tttgtgcaga cgatatattc cagattcacc ttagcttgtg atctg 465

<210> 212  
 <211> 627  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA891221

<400> 212  
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 acaaaatggt tgcctccaag aagtatgtca tacttacaag ggaaaaggta attaatattg 120  
 aacattttcc ttgttcaacg gttctaattt ttataagggt tttataagtc tcatagtcac 180  
 taagcagggt ctttttgaag ggtaggcttc atgaccatt tgacttcgtg cctttacatg 240  
 acatgacaaa ttattttatt caaattatgt tttccaaaag agagggttct gtgctagtcg 300  
 tctttgaaag ttttcatacc atttcagaac cacatttgct gggatgaaca tttccgatgg 360  
 atttggtgtc atctgggect gagagagagc aaatgatgaa gcaaaattgt agaagttgtc 420  
 caacatcttc tgtgtgaact gtgtgaagga gtcaaccgag gacacagcgg cactgcctac 480  
 gggagtctgc tgagccaaac tgtccaacaa ctccaccgag attccaatct gggcaacaga 540  
 tggggttcgc acaatattca tggctccaaa tgggtgctgg cttccttctc cagatttaag 600  
 acctgatatt ttgaagatgg cacttgg 627

<210> 213  
 <211> 474  
 <212> DNA  
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891286

<400> 213

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gatcaacacc ttttattggt tcacattttt tttccagaaa aactgtaata aaaatacatg 60
gaattggaat ttgggttaca gtacattgtg cgattacaga acataaacga cgaagtgtac 120
tccttccatg ggggcggaac atttcatccc accaatagaa tcacaacatg attaggcggc 180
taccctacac tgtcgttctg atctcagaga ctggcagact taggagaaaa aaaaacaaaa 240
aataaataaa taaaactcaa cagtccactc ctttggttcc ctggtctttt ctctcttca 300
acacacggat gtggggcgga tctgaggag cctcgtgggg caaggtgggt gccgctggct 360
gaataccagg caaacccgtt ccctgagggt gccccacaag gtactgggaa acgccactca 420
gtactgcagg tggagatggg cagaagggaa gacaagaaaa ctctgtccga attc 474
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<210> 214

<211> 484

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891423

<220>

<221> misc\_feature

<222> (1)..(484)

<223> n = a or c or g or t

<400> 214

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cacaaagaaa gcagatgcca tgcgtggagg cacgtggact gcagctgcct catcctcaag 120
tcccgggctt ctggtgtttt gtccctcgat ccagcagttc ccatgtggag gctgcatggc 180
ctctgtcctt aacattgatg ccgtgggtca tgaggctctg gccgagtgcg tcacatgcct 240
ccagcaaggg ctgcctctcc tggagctgct gtttcggggc ctccccgggt gccccaggcg 300
tggccagtgc atactggcgg accttaagcc tgaagcgcac tagttcatct accacacagt 360
gcanggctac tgtgctgctg tctcctgaaa cacactgtcg cttggccaga gaaatccaac 420
agtctcgaaa aactgctcaa cgtaggcaac gatggcccca aacacagtgg gacttctcgg 480
gccca 484
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<210> 215

<211> 614

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891553

<400> 215

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aattttatatt cttctgctag agaacaggag ctggacacac gctgcccagg cacagctagg 60
tgctaacaca cgcaggcacc aggccaactc acttaagttt ctctctcttc ttcttcttcc 120
tcctcttctt cctcatcttc ttctgctctc tcagagctga aggtgccatc aggcaagctg 180
tagactcgga tgacctgctt gttgggggtc ttgaggatga ggtatttgcc ctctccagc 240
ttcatgcaga tatcaatgac acagcgcagg atgccccagg cattctccac actcaggttg 300
atttggtctg caaactcatt gggcttaaac tgctgggtgc ccaggatgac gtggcgcgag 360
gagtccttta catggtaccg ggacacatac ccgagcttca agtactcaga gccagccagc 420
aaagcacagc acgtccatcg cgccaacttg tagctgttgt tcttcaactc agtggcgatg 480
acagccccac gctgagagtc cagcttctga cgccagtcaa cgccattaca atgcctggag 540
tcccattcat tgagtgtctt gatgttgatg aaggacactt ccccgttggc cccagtcagt 600
```



acgccatcat gttc

614

<210> 216

<211> 493

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891694

<400> 216

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gcaaattgtga aaccactttt acttggtttt tcaagtagtc gaataggatg agaccattta 60
cacctgagat gaggcacttt tatgattccc cccaaaaagg ataagtataa actacaactt 120
ttcttggttaa tcgtattctc catttcaggt gtgattaact tcaagatggg ttacagggtac 180
tataaactttt tattttgttg tcttccattt gttccgagtc aacaaactct gtgaaatata 240
taaaatacag ccgcaacaca gaccagttac tgtactcaca taaaaatgat ctgaacatca 300
cgtaaggaca caagtttcag aaaaggagta cttcaacact acttcaacaa cgacgatagt 360
tttttcataa ttatgtataa atacattagt atccaaaggg cgaatctctg tactatttct 420
agataagaat gtcctcaaat gtgtaactga attacaaatt atagtcttac atatgctttt 480
aaagtaatca agt 493
```

<210> 217

<211> 516

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891735

<400> 217

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aatacaagta aaagggggca gggcaactcc tccccctcc aggtcaggac caggagaatc 60
tgctgggctg tccccgggac caaagaggaa aagagtgaca tagaaactga agcaaaggaa 120
gcttagtcac actcaggtga gggtgacagc tcctcctgga ttttgtttcc atttattaaa 180
aaaaaaaaaga aaagaaagaa agaaaaagcc acccctcac tcccagccca ttctcacag 240
ccagggtcag aaagcagcat cagtgaggcg ggttcctcac ctctgggttat ctctggccca 300
ggtcagcttg agccacctgc cctcaccagg agaggggttc agttggcagt taggcttggg 360
gaagtctcta cctggacccc ccagaggcct gggagcacc cctcctccc aggaaaggga 420
atgcagtgtc tactgggctc agaggggtgg cctcaccac ctgacatgag tcctgattct 480
cccattctga ggacggcagg aagtttattg caccag 516
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<210> 218

<211> 593

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA891738

<400> 218

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aatctccttg catcccagag gcgattgaaa gttgtagacg ggcagtggcg gcacatgcct 120
ttaatcccc gattctggag actaaggcag gcagtttggt ctacaaagt agttccagga 180
cagccagggc tacacagaga aaccctgtct tgaagggaaa aaaaacaaga tgatgaagaa 240
gaaaaagaaa taacgtacag tttttacaca ttccatacat cacacacata tctgaagaat 300
ctaagcaatg caaaacaagg cctgagggga ggcattgagaa gtaaagggtat ggtagggtaa 360
gaaagtgatg tcttcagagc tgctttctcc cctcagtaga ggaaggaaac gtttatctat 420
ggcaccgagg attaaggctg gggttggttaa gaggtgtagg ggtcctttgg gtacaaactg 480
```

ctgttccatg ctttcatgga accacctgaa cgtggacacg gtgccaggca ttgctgagca 540  
cgcctcgaag gttccagatt ggggccacag tgtctggctg cacattgtaa ctg 593

<210> 219  
<211> 599  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA891739

<400> 219  
gagcgtcccg gaagttttat tgggttcttg ttgggtcagg gtccccctt catcatctag 60  
cgagccgcgc tcagcgcccg ttactgggcg cgctcagctg ccccatcatg tcggccagca 120  
tgcgattgca cagcgcgccg tacggattga gcagcaccaa ctggcgccgt gcgaacgagc 180  
tgcccagtct cgccgcctgc tcgaagtctc tgccgggcatc gtcgtccga ccctgaaatc 240  
gtgccagcag cccgcgctgc acgaagctct ggccggcgcc gcgaccccg ccgcgcctca 300  
acgtcaccgc gcgctccaag tcctctaggg cgcttctac atccccctgg agccgcctcg 360  
cttgggcacg gttgtgttac gcagaggctc tctcaggtag caggctaata gctttgcca 420  
acctctccag ggctgtgttg aggtccccag cttctgctgc cctcactccc tgcaactcca 480  
gggccttgga ttgctccaac tgtgcttgag ggaaaactcc atcttcatct ccctcctctg 540  
tttcttccag gtccaatcca acaacatctc caaagggggt attaggggtg aggatggcc 599

<210> 220  
<211> 511  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA891740

<220>  
<221> misc\_feature  
<222> (1)..(511)  
<223> n = a or c or g or t

<400> 220  
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aacgaggccc cgcccaccga catcagggcc cctcccccaa ggcattggga ccccggggca 180  
atgacatcat catctccttg agtttccacc cccttgggtc gaggccggat gacatcatca 240  
tctttgtcct gctctgggac cgtagggaca gcagcctgag aatctgcgat ccaagcctgg 300  
aagttcccat gatgtttctc gaagaggcca gggaaggagc cgcgggggtc ggggacacca 360  
ggcagcaggg cttccttcac cctgcgcac cgagcaggg ccaggagcag caccaggggtg 420  
agcaggggca ccggaggcca caggccaggg cgagaggtgg ggtgggggtc ccgggggtcc 480  
tcgggagggg ggggccagtg cangagcctg t 511

<210> 221  
<211> 555  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA891774

<400> 221  
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cttggctgag aagattcatg cttgatgacc aggggagggcg tgcagccccc caagaagaag 120
gggaaaagaa aaacgggggag gttgaaaagc agagaggtgc accttccctt ctgaggaagc 180
aattctggtc tgggaccagt tgcaaggggt tagtaagaga aacctaaggg gtgcttacat 240
ttttattctg gcaaataaat ctcttaaaag gctccctcct aggggtgctt acatttttat 300
tctggcaaat gaatctctta aaaggctccc tccttcgttc gggggaacag cacatgtacc 360
tgtgtcagcg tgagatgcaa tgctacacaa gaacgtggca ttgggccaat catgtggacc 420
cctgtgctgc tcccaaggga gaggttctgt ttgggtgtgg gataaatcta aacaagcata 480
cactcgtgtt atatgtggcc ttaagggtag gggagcaaaa ggaatggact tctctgtaga 540
gcagctcaag aggga                                     555

```

<210> 222

<211> 636

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891789

<400> 222

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gaaattttaga aacaagtttt atttaagatc tgaaatacaa ttcctaaaat atcaactttt 60
cagaaaactg tggctacaca ataatgcatt gcctctatca tgttagaacg tgcattagac 120
tcaaatacaa aaaccaggaa acaaatcacc atccttcaac aatttgagca aagatagaat 180
gaatgcctaa ggaacaacaa agatggactt gcagaggatg ggctgtttac agacgtcaag 240
caccataaaa aaaaaaaaaa aagcacaagt gcgtgggttt ccaggtatat acagtaagtt 300
gaacctttgg cactaggaac cagggcatct catcacgtag cattaacaca tattagaaaa 360
ctgtgtagtg tcaaagggat agaaccacca gcattcaagc aatgttgtca actaggcaat 420
aaaaatggctc actgaacttc ttctttgtct aattactgca tacactggta gcaactttga 480
aatgaggaag ggagctgggc actcctttta ttttctgtct acaacagaac aggaacaaaa 540
ctgaaacata agcctgtttt tacatcgaca gttttaaaga acatcaatta tacaatgaga 600
gggactaaac agaagtgttt acagatacca gacaat                                     636

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<210> 223

<211> 609

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891790

<400> 223

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ggagctcttg caaggattta tttgctacag aattgctttc ataccccagc gagctggact 60
aaggacttct gggctctaaa ggatttaggt cacttcatgt tttcaagtgc tgtgacattc 120
aaaaagcaat tttggtaggg cagagatggg gtagagtagc accatttgcc atgtggtaag 180
aggcgagaaa aataatcagt aatattaaac gtctaagaat agagaaggaa agaatacttt 240
aaagttccca tctggacagt ccctgagctg aaatcacatt tatgtgtgaa gagaaatggt 300
tggtgtgtga ccgtgaagtg acagatgctg accttgggct tggctgggtg aagcttccag 360
acactctgaa tgacaggata tacgccactc atctggctga ttctggcacg tgtcctaaat 420
gtctcctaaa tcccaactct cctggttctc tgaaaggcct gtggctcatc gatccccaat 480
acttcttttt atttttgaga cagggctctc ctacatagcc ctggctgtcc tggagctcca 540
tgtagatcag gctagcctcg aactcacaga gatcctcctg ctctgtcttc ccaagtgtctg 600
cccaatact                                     609

```

<210> 224

<211> 591

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891842

<400> 224

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aacaaacacc taatatttat taataaatta gtataacttga aggcattttt ctgatatcag 60
ttcctcacca ctaagcccac ccacacaaag gcagtgggcg tctagctctg cattagagtc 120
tgacaactga gcatcagagg acaggttgat aaatgagaga gcgtagttgc aaatttatcg 180
gacaggagtt cttacagctg cagccatttt taacgaaagt ggttgatga caaaggaaac 240
ccagcaaggc cttgagggca gactggacct atagactatg tgtattgaga gagagagaga 300
gagagagaga gagagagaga gagagagaga gagaggaata aaaaaataa gagaaatc 360
ttttaagca aagctgggca taaagtggct ttccaagggt cagcaaagggt gttcctaaaa 420
gatgaagatc gagttctttg gcggcccagg tgtcaagcca ctgaaacagc aagtcctggg 480
gacttaagga tttcattctc cagcccagag cttagcagca ttaacgggag cacaagttac 540
aagcagtgtg cgggtgtccag acgagaacca tacagcgagc gatagagagt g 591
```

<210> 225

<211> 614

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891872

<400> 225

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gagaacatga tgaactcatt tattactcaa atggttgcat tccattcaag agcacttaat 60
acagaccatt caagagcact taattgattg aaattaaaga gaccaattgg catgggactt 120
ttaaaaatac aacttattcc ttttaagtta ttacttaaac tatctagatc ttctacatat 180
taaaatagaa gtgagaaaat agatcttttg aatctagagt ctagagtga ggctaaaaac 240
ctgatatgga attggcatga tcaatccaga ctacggctaa aatgcaagag aacaggtcag 300
gagttgatca aagtttcaaa atttgtcaca tttggtggaa aaataaaaca ctaaatgcat 360
gtgcctgtga tgatcaaacg gcataatatt cttcagacca aaacatatcc tgaaatcttg 420
aacattcaac ttctgagctc atttctagct cccgaaaggg ggttgcaaaa tccaatggga 480
ttgcatctac agtgaggccg ctctctcact gctgacaaaa tactctgctt tttggcaatg 540
gcaatgataa acaagtagat gatgagaact cccgatgctt tttgagaatc aagggttgct 600
gatcttgaaa atct 614
```

<210> 226

<211> 480

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA891884

<400> 226

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cctcttttcta tccatctca ttactggttg agaacagctc ctaaaataca agtcttgga 120
cctttgcaaa ttggcttgta aggagtatgt atctgcaaca tgtatggcct gcggcttact 180
caaacatgtc tggttacttg tccttctatc tagtctccac tccttctga gatgagaggc 240
ctgtgttgct ggaggaaaag tggctggtag catttgcttg attcagtgc taaagaaatg 300
tgactgggag ccacagcctt caaaaggatga agctagggtt gctgtgtgtg gactcctagg 360
ccatcctggg ctacatggtt tcaggccagt tgacacagtg agaccagct ttacacaaca 420
ctttattctg caagcacagg tatgataaat gggaagattt tgaatcctgg aactgttgct 480
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<210> 227

<211> 605

<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA891944

<400> 227  
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acaatacaga ataatgtgta tgatgactat ataatacccc tgtacatata tttctgtatc 120  
tgtacataga accagcaaag agaaaatcta catctgtgac ctaagacaca gaattcacac 180  
cctgcttctc cagccaggct aacagtgaga tcacagtcag tttcctgagt gctggggcca 240  
ggtttagagtc cctgtaacca acacatacaa ccttagaaga gctttaagaa aacacgcttg 300  
ctttctcaca gtcaacctac tggagcggga tctgtgctat aaacgtgacc tcaagaatta 360  
tttctgaata cccatgtaca tcataaggat gggaaacaaa gcctctgatt tcattgcaga 420  
cctttcctgt gagtccatgg aaccacgtta acaaaagaac gagcaggcag aaggggagtc 480  
ttagcagaac ttgggttcacc cccaatccca ctgccgtgag acttctcagt tcaacctatc 540  
cttaccacaca ccatataaag taaaccaccc ttttacattt aagtgatgct ttttcataaa 600  
gtacc 605

<210> 228  
<211> 542  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA891950

<400> 228  
ccaaacggtt ccaaatactc aactgagaac tttattttata cgttattaaa aaggaccggc 60  
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gactgaacat ttacccaagg cggatcactg tcaactgctat tcattcaaaa cagacagaaa 180  
tcctgagtgt gggttctgag aagacagttg tgccctgtctt gatggtgaca atttacctcc 240  
atggactctg ctttctact gagtttctga aggccaaggc tcaggaggac tgccttagca 300  
acaaatggtt attcctctag tctgaagaca tgaagggtggc cgaggctccg gagagtgcct 360  
ttgtgcttat catccatgat gccaacatgt cccgtgcttc cgttaccacg ctcagcagga 420  
cctcagtggc ttggcataga ttggctccag cacatgatga gtaagaagca ggaagaggcc 480  
tccaagaaag acagcactga gaaaagccag caggacatag cggccgatga aaaaggcatc 540  
ca 542

<210> 229  
<211> 216  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA891965

<400> 229  
agagatccag tttgacgttt tattaggtcc agccctctgc tacctgagca gtttctcat 60  
catccccagg gatgggcttc tatactcccg cccaaagtgg ttccaatggt ttaggtagtt 120  
aaagagctgg tagagcagca ggcgtttgtc gaaccctgga gcctttggga tcttctgatg 180  
gtaggcagtg aagaatgatc tggggaaccc cccaag 216

<210> 230  
<211> 487  
<212> DNA  
<213> Rattus norvegicus

<223> Genbank Accession No. AA892027

<223> n = a or c or g or t

ggaaatccaa	actattttttt	aaaacaaaat	attattttaaa	tattatgaat	ctctgaagtc	60
atgagactta	tctctccaaa	aggaaggac	ccatgggttc	tattttttat	gcagcatttt	120
caaatacaca	tgtcaatata	tatttcataa	actactaaaa	aataaaaccc	tttatcctct	180
gaggttattg	atgtgtccta	ggtctccaac	acatctcatt	aaacagtaag	ttctattcat	240
cttcatgaat	gagggtgggaa	ctagactaaa	aaataggatt	ttaatccctg	aggtgtcagt	300
taaaatgcag	aggttgccaa	gattttttttt	ttcattttaaa	aattagcttt	aaataattag	360
catggatcat	gctatctcaa	tcaaaaccac	ttcctctaca	cggagtcctt	tagaaaatta	420
cattttctgg	gttatgggtca	acctgatgtc	ncagctctcc	agctatgaga	ctttttttttt	480
cctttttg						487

<213> Rattus norvegicus

<223> Genbank Accession No. AA892112

cagggctaag	gacctttatt	gagcacacgg	cccctgatgg	tgctgacgga	gaaaccttag	60
gctttccttc	ccagcagcct	cgccacagt	tcttggtga	gtagtgcctg	ctccctccgg	120
gcgccctgca	gcacactcct	gttctcctgg	gctcttcgga	tcaggtagga	tatcacctct	180
tccaggcagc	cataggggat	agacttatat	accatgtatc	cagcttgccc	taatgccagg	240
gagacgtggt	cacacatgcc	cagaagttgt	ccgaagcaga	caggcccatc	cagaggaatg	300
cccagctccc	acatgctgca	gaaaggttca	cattgtcaat	ccagagagtg	gctacagcgc	360
ctcgttgctt	ggcgaatgga	ttcttcattg	tgggaagcca	catgaggtgg	caccggggac	420
cgtggttqqa	cac					433

<213> Rattus norvegicus

<223> Genbank Accession No. AA892128

<223> n = a or c or g or t

agacataatt	aatgttacag	taaaaaatagg	catttactca	tatttgtctt	gttttagcca	60
ctttaatttc	tttcatctcc	cctcccccta	aggttttctc	aaagcacatt	atcattttac	120
aaatacagtg	ccaaggtcct	gagtcacatt	tgcaagaatc	ttcttcacat	tcacggaag	180
cagttactta	gtgcagagtt	ctcattttcca	cttaactgta	cacggcttta	cgggtgctga	240
gacactggcc	cacctgtctq	ccagtgcttc	ccacttcaca	cacctaaacc	aaqgtcaaga	300

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caggaaggct gagccgtgaa gagcatcncc acancctctc cactggcccc atagctcttt 360
ccgccccctc ccagttgtcc tgagaaaaat cagatttgtc acagaaaact gacattccta 420
cattcatagg cagaagaatt tta 443
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<210> 233

<211> 439

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892146

<400> 233

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acagctatta ggtgctgtcc acttttctgc acagaccctg aaccatgcat caacttattt 60
tctctgcaac ttacaataac tctctcagtg acttagctta acccttcaag tttctgtaac 120
tttctcttca tatcttttct ttatcttagc cagattgggtg gggcattttc cagccccctag 180
gagaccacc cttggagcct gggggcagac ctggagcact ccctacctc aggggtatga 240
agagagcagg cagaagttag ggccttctat gcgtgttggg accctttttt tttctggcct 300
ctagtaggat tccgtctttc ctcggtggta aagaagacct gtaacagtta ctaacaagca 360
tatcaaattg gatggtgaga aaacaagaga atcttgagaa tagagtctac cgaagagggc 420
atacagcatt tagtcacac 439
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<210> 234

<211> 632

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892234

<400> 234

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cggccgccaa aattttttttt tttttttttt tttttttttt taggtacgag gctgacgcc 60
gataagtttt tattatatatt aaaaaacagt ggagctggaa gtaagggcgg gtcggtgaag 120
gcgactgaga ggtgaaaggc ctcccgttcc tcagtggcag gatctggacc cactgcctag 180
gccgggttta atccagccga gatgctggaa agcagagcac acagttgtgc ccatcagggc 240
aaagagggca agagagctca cagctcctcg ataccgcttg ctagggtctc ccgtgtagta 300
gccatatgcg taaagaactc gcccaataat ccacgccacg cccaggccag aagctatgcg 360
cgggtggtaa acacctccca cggttaggaa gaataggaag ggaggggtaca cctccaacgt 420
gttctggtgg gcgcgtgaa tgcagttgaa catatgccca ttctcaggat ctgtgctgta 480
catgacaggg tactctacct tgtacttctt gcgggctttg cccacgttga tggctaagt 540
gagcaccatc acaaagctgg cggcaccagt gagaagcacg aatccatatt ccttagagag 600
gacagccatc ttggtcttgg ctcaccttga cg 632
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<210> 235

<211> 637

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892251

<400> 235

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tttgtttaga aacagtgttt accacgtcaa agcctcactt atgtgggaca taaaaataca 120
ataaaacaca cacaaaaaat tcagccacaa aatataaagt cagtatgctt gcgaaccggg 180
cctacacatt tctggtgtag cacattttca ttagtattct atgtaaaagg attcaggttt 240
tggtcacagc aatgggaaaa acacagctag aaacagtgtg tacactgagt tgatttatgt 300
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ctgcctatcc cacataaaca catctgctct tacgatctct agctggacac aaaagtcctt 360
cccaagagtc gggctgctg aacgtggggc tcaagtggag acaggaatga atctgatgga 420
tttggaagat ttgggcgagt ccttccacat cccagtgtctg ttcgttgggc tccggttgtt 480
agaataagaa gtctgtcttc ggctcatgct atcggagtca tccttggcga atttctgcgc 540
catgctgtgg cagcatggga aactttggac gcagtcttgc aggagatggc cactgaaaaa 600
catgtatatc cacgggttgc agcagctgtt caaggaa 637

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<210> 236

<211> 606

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892345

<400> 236

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gcacctgttt ctgtgaaaga caatttatcc atttgttctc agctgtcagc cacattctgt 60
gttcctagaa tcacagtcct ttaatccac tagaatcctg atttcacatt ggcaaacgcc 120
cagtgttttc tctgattggg tttcataagc accagtaata aagagtaata aaattaataa 180
aaagtgttca tcttaaagtc ctttgaatgg acagtgcaaa tcattaattc atcaaaccct 240
ggtgtgtggg agacaatgaa aaggttttta cgaagatact gatctagatt ttggtgattc 300
tgaagtgacg tcttggctat ctttatcctg gaaggagcag gatgccagag cagttctgcc 360
agctacacct cggttgttgg tctttctcaa gatttctctac catctttctg aagcctggtt 420
ctggtagggt ctgtgagtac caatggttcc tgtataatgg ttgctgggta atttttaccc 480
agtagttcaa cctccacttg ttgtccact tcaactgagct caactgggac ataagcaaaa 540
gcaggctctt ctggatgctg taactgtagc ttccacatgt tgtgttgcca atcagcttgc 600
ccttgt 606

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<210> 237

<211> 719

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892373

<220>

<221> misc\_feature

<222> (1)..(719)

<223> n = a or c or g or t

<400> 237

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atacatttaa taggataata tcacataaaa taataagata ggcacaaact aagaaggaaa 60
gagtcaggat aaagtgtcat tgccattttt gtttgcagga tagagtcaga aaatggaaca 120
aactgagatg actagggaac cattctaaac ccacccaac ctagctaaag ttacataatg 180
ttaggactca agtgccaaat tagatattac ccacttaatc tacgagtga aaagagactc 240
caaaatttat cctatttagt ataacaactt ttacatgaaa tatatagcaa tttgtatctc 300
agaaagcaat acggcaactc ttaggcgttt cctttatgca gtgactagaa aatcttggta 360
cagctaggca gctctgcgac accagtaagc tgctcagggc tagcatagaa cagcttgata 420
gagagctaac ctctcaggtt tcagaaggca gcaataattc tattttggct tttattctaa 480
atgcttactg tagttaaggc gacaactgaa gcacattaag tgaaggtagt tagaatttag 540
tgacaatcat tagtctcttg ccacctacac agaactgtat aatgcttttg tggaatggaa 600
gtgttgatta actggaattt tacacactca cacacaaact taanaagtaa cgatcaaagg 660
caatcatcct acaggtacta tgctgatgta ctacaatcca catatgccac agaactgaa 719

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<210> 238

<211> 591



<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA892395

<220>  
<221> misc\_feature  
<222> (1)..(591)  
<223> n = a or c or g or t

<400> 238  
gcggctgtgc ctcttctcta accaaccccc ggtaagtatg tttgttaaaa tgcccttctc 60  
catccttccc ttccgagctg ctttgctcag tagtggctgt atgcatggaa gactgacctt 120  
ccatgtaaag cccgttcttc tcttggtatg atgttctgga acacggggaa ctggaggtgt 180  
tcggagacta ctgggtgacg tgctcatact cgcacttcaa cagctgattc tgcttttctc 240  
ctgtgtttat gattcgcata tgtggtgttt tcaaaagtcc aatcaaagtgt gatctaattt 300  
ccagggctga ctgaagcctt tcaggtctcc aacaaaaata tttaggacaa ctggagcctg 360  
gctggtaggt gacggtatct agtaggtgta ggaggctttg aagagtgact gcgtacaatc 420  
agcgcctgac gagcccgctg gaacatactg tccttgggct gcctggcagt tggccacagc 480  
ccgcttcatg aaagcttctt gngttgcctt cttgtttgca gccttgccgc cccaagcagc 540  
caatgcactg gcctggaggg ctctgccgta tgaaaagctt agcctcgtgc c 591

<210> 239  
<211> 498  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA892425

<220>  
<221> misc\_feature  
<222> (1)..(498)  
<223> n = a or c or g or t

<400> 239  
gaactctaac aatgtgatag gtgccacaca aaacattaga cacagtatct gcccggtggg 60  
cgtacaatct aatctaagga cacagatcat tttttgaatg ttgccatgag ctttctgttc 120  
atgagaatga ggtattaagc gcaccgttca gtgcaggaaa ggaccacac aatcactgac 180  
ctttcaggac ggtttgccta cataagtaca accaactgct catgtttctt attcttggga 240  
attatggata gtgtttttcg ttcattttat gatgagcaca acaatctata aggacagaat 300  
cactaaacct acaaacttga caaaaccagg gttcaaaact ggctcttagt ccaaaataaa 360  
attgttgtat gttcagaaaa tcagctaaag taggacctag agaaagtgtc aggagccatt 420  
tttgttcaga gtcnccctac tgtccanaca gtctctctcc tcaaagcagc tttcaaagtg 480  
ccctttatct caagtctt 498

<210> 240  
<211> 583  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA892506

<400> 240  
accagaaaat aaagccgttt tattattttc gtcttatcca ccatatggcc tgagggttgg 60

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ggtgggagca gagtaaatgg ctggccccag atgaaggctc tggagtcttc tacttggcct 120
gaacagtctc ctccagcctg tccaggcgct cttgaagctt ttgcaactatg gcgttgagat 180
tcctcacatc ctccctccagc cgtgacacgg tgtccgagct aagagtgcta ctgggctccg 240
gtgtagctct tctgcgagca ctgtccaggg ccctgttgac tcttagctcc ctgctctttg 300
ggggcacgta gccatccttg agggaaatga ggagggggcc agcatcacga ccgctcagcc 360
actcctcagc tgtgagggcg gggtcgggct cggcagtggg tggatacagg tcctcctgga 420
acaggtccga ctttctaggg actgtcatgg caataggctc acatttccgc tcatgaagct 480
tatagaatct ggcaatctcg cacttattca cttccaggcc acgtttgggc atgtagccca 540
taccacgttg agactcctg gaactgaaca tggaaagata atg 583

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<210> 241

<211> 547

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892520

<400> 241

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gacacagaca caaaggcagc tgtggtaatg ggggtggggga cacaaaagca aaaatcacac 60
ttcctacatg gaggcctcaa ttagacaaga gagaggctgg gtccctcccc tcacactcct 120
tctgacagtg gctggagtaa cagctctctc taatccaagc tcagaagcag caggtgacct 180
ccacctagcc tcaaagggtc ccactttggc tccagaagcc cctgtccttt taaccagccc 240
agtaattccc ctacccgagc tcctttctccc ccaccagtgt aaacagagtt tggggctgaa 300
caacagagct ctgggaaggc aggagcctcc tagatagcaa agggaaatgtg cttggagttt 360
cacttcgggc ccagaatgag acccagcagt gtctcccaga actcgggctg atccagtata 420
ctgcctcttc attctccacc actgacagag ataggccagg cccagacca cagtaaaaac 480
aattgatccc cagaggttag agctactccc taccctcgac ccctggcaca tacacagatt 540
tttggca 547

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<210> 242

<211> 524

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892553

<400> 242

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aatcttatgg cagtaaaacg ccagtaagca ctgataccag gactagttag gatctttcca 60
gaacgtccaa ctgtggtggc aacatcagtt acattgggaa agcaagcctc gagacagtgc 120
aatcaatgag ccccgccag ggatggggct ggcttgaggt tctcaacaag ccagtcttct 180
gtgctcactt acacttcaga cacagaaatc aactcagtct tgatgtatcc agttctctta 240
gggtcatcga gctccatcgg ttctggtgct tcctttggcc tggagtagta cttcccgaag 300
gcatggtctt tgtcaatatt gggatacaga tacttcaggg gattctctgg tatattctca 360
gcagccatga ctttgtaatt gcgaataata tctgggaaag taacagctga aagttctttc 420
ttcgtgtagg gctcaacagc atggaagtcg ggttcacctc cattttggga ccgttccacc 480
catgtgaatg tgatggcccc ttcccgggag ctctcactga acct 524

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<210> 243

<211> 465

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892561

<400> 243  
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ccaatagagg gcatcagatc ccattacaga tgggtgggag ccatcttggtg gttgctggga 120  
attgaactca ggacctctgg aagagtagtc agtctcttaa ccgctgagcc atgtcttcag 180  
ccttttacgg gaaaggtaaa tggctccttt gttaaactctg ggcagtcgac cacagagacc 240  
tggacatgag caaagttgtc ctttagcccc ttctgcaaaa cttctgcgag ctctctccaga 300  
cttggcacgt ggaaagaaaa ctcaagtcaa gccattctct ctctctcag caactcagac 360  
acagcagctg ttggctgacc tccaccagag ttcacagggc accagcgtga acagtcctctg 420  
ctcttgctac ccactgaata aggtgtttgt aatcttccgt tagaa 465

<210> 244

<211> 658

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA892598

<400> 244  
acaaacactt tttattttgt ttttaattta gaacatgata catattcaca agatttacac 60  
tttatatcat accaaagcaa tctagaaaca ctgtacagag cacacttgaa catttagaag 120  
gctatatata atctgtggta aagtcatagg catcgtcttc ttcactcatt ttatccaaga 180  
taaaggatct gtcagatggg ttacttgctg ttgattgccc aggtgacatc tccctgggtct 240  
cttctacagg agtcacatct gagatctctg cttttttttc accagtaaca tgttcttgat 300  
catcaccatc ctgttggtct tctgtctggt ttggtgactc ttcggggatg tccttttctt 360  
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ccttgaggac ttgtatgctg tgtgcattat tcttttctag ttcttctaga ttaaagcccc 480  
tcttcatgat tgcgttaata ttctcattaa aatgaggaga atgattccag gatgcagggg 540  
gatggcagta gtaacctaat gaggcacctg tccactcaga ccatagcagc ttagcagcac 600  
tttcgacatt tgggcttcca cttttttggt gcagacctct tctctgagca agtttagt 658

<210> 245

<211> 476

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA892602

<400> 245  
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gtctatggag ttgtgcaaca aggaggtggc tcaatctccc tcacaaggga gactgggtgt 180  
acggggtagg gcaagggttca gtacaaggtc aagttcccac tacacaaatg ctttcatggg 240  
tggcctccag ccccataagg attcccagca gagagaccac tccagcactg cctgactgaa 300  
agctaccagc ggatggaggc atctttgata ctgggaagat tctcaatgcc aaggacacac 360  
atctgtgctc ctggaaacat ggtcttacag cccagaaggga tcttagacca gtgcctctgg 420  
actgcagtct gttcctctat ccacagtttg cctcttccct ggggtctgaa ttgagc 476

<210> 246

<211> 487

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA892666

<400> 246  
aagggtttgtt ttttaaccgtt gtggatgtgt acgtgtggag gtgtccccgg aggctagaag 60  
aggggtgcttg ctccccctcga gcctggcatg ggtggactct ggctcctctgc tcttcactgc 120  
tcagccatct ctgcagctcc ggagaagaag gctctgacag gacagggccc aaaaccctgc 180  
ttgtccttca gtggccctag gaatgcttag gcagactgag gttaggggac agaaggggaa 240  
cctgaattct catagctcaa gacctggtta aaacttctgc gggggtagtc tgaggtaaaa 300  
gagaaggcag gaaaacagtt ctgtcaagga aaggaaggct tgaagaaaac agacacaatg 360  
gagccaggac ggagaggtgg agcctatgaa gtcaggagag tccagaggac cacttctcta 420  
ccaggagcag accttagtga tgacagagaa cagagctggg cgttagacac agcctacagc 480  
cagctct 487

<210> 247

<211> 503

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA892821

<400> 247  
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aaaagaccac actaggtcag cactgggcaa ggagtggcca ggggtgtgact ctaagagttg 120  
gcagaaaagc cctggcgtct tgagtcacga cagtctatct gaagtagttg ggacactcgt 180  
gggcgaccac gttccaggct tggttaaagg cctccacgac agcgggctcc aggggacctt 240  
cctcagtggc cgccaagttc tgctccagct gctccaggct ggacatgccc aagatgactg 300  
cgtcccctcg ggtgccctgg agctgtgagt gatggtacat ccagcgcagg gcagccgagg 360  
tcagtctggg ggcactgggt ccatagggtg tcttcagggc cttttctacc agggcaatgg 420  
cctcaaagtg gtgttccttc cagaagcggg tcctgtaggt ctcagaccag ctattcccaa 480  
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<210> 248

<211> 644

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA892851

<400> 248  
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atttttcact gctatataaa tttattggga atgttattca catctattgt cacctaaaac 120  
atactgtaaa caatgggtta ttccctaaga caaatgcata cgtgattctc agcaatcatt 180  
ggtttgatta ttagtaggtt acaaggcac atctctgtgg aatgtcagt accgctgtag 240  
tgtgacaggc ttcagcgcatt cattgcacac actgcttcag aacagtcccc accgggtctg 300  
gacccaggac gcaaagcacc ccctctgctt gaaacggcag ctctggaagg tctgcgtcac 360  
agctccaggc ctctcgtctg agcactctat gggcacgtgt gatgacgtgt acacacgcac 420  
gactaaaaag tttacctctc gtaaacaaaga gcaacattac cgtcaactct cctgcatatt 480  
taagtagtaa agtctacgta tttgtaaaaca aacaaaacac acaaacttat ttttaaaaac 540  
ttccatcagc tcgtaattcc tctgtgatct aagtgagtc acactgaatt tctgaaaggc 600  
gcatgtatta ccttaggtaa taaagctctg caaggggtgc ttca 644

<210> 249

<211> 515

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA892861

<400> 249

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caacattaaa atagatttat taattactgg tgaaaaacat gatatatattat aaccaagtca 60
tatactttat tgaaaagaaa aaaatattcg gtaagaagtt tggcacggtc ttctgctggg 120
acctgtgtga aatcccagga cttgtaggtc ggggctgcct tcgtgagggg tgtcaatgca 180
gcccaagaag tgggtaaagt aggaagtggg ggtcaaagaa aggcaatcaa gaggtctgct 240
cacaggggcc ttttccacg ttcattgact gtcaggctgt atcctgggac agcggggagc 300
ctcggagagt taatgagaaa cagaattgtc actttggcga ccaatgtcag aaaacaggtt 360
cctgggtcaag cgtaggtac tagcgaattc tgaccctgag acttgagggtg tcactgtctt 420
taaactgccca ggcattggag gaagtgtcca aagatgggac ttatagagag aagtgggtccc 480
ggcttcctgt agtctccatc tcaccagccc caggc 515
```

<210> 250

<211> 533

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892888

<220>

<221> misc\_feature

<222> (1)..(533)

<223> n = a or c or g or t

<400> 250

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aagggataca tgccaagggg gcaccagga gaacgttaca atgctgtgag acacggggca 180
tggctggaag gacacacaag ggcgagagag agagagagag agagagagag agagagagag 240
agaatgaatg aatgaataaa tgaatgaata ggggtcctaa aagggttggg ttgggtaagt 300
ccagggcctt gcagtctagt tttctgcctc aagagagcag gaagaaagcc tcactgtgga 360
gaaaggctga agctgattaa tgatcacccc ggccgtggca gcggtgctga gagtctctgc 420
tttacctgac cctccttan aagtactggg gtgggttctg gctgcacatg gggagatcag 480
atggccttct tgggggagag ttatttcaca gttttcccca tgatgtgggg ccc 533
```

<210> 251

<211> 541

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA892916

<400> 251

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cattagcaca aacattacat caacagttcg ctaatcacat ctgtgggtct aaaggaatca 120
ggccgtaaaa gggcatctct aaaacacccc tgggcaggtc caaactcgct gggtcaccca 180
attacagtgg agaaggcagt cacagaaaga aacccaatga aatcctcctg gccactaaat 240
gggagtcttg aaaaccctct ggcattgaaga gacttgtaga gagtgggaga acaccctttt 300
actatggagg aaaaccagga gtccaggtat tctcacacat ctgacatggc ccctgagaac 360
aagtttcagc ttgcataatc cctgcatcaa cacatgcatt accactaaaa ggagtcccgt 420
tgggtcctac ccgatgccc aggggtctcc cacaggtagg ttcattcatc cgggttttgc 480
aaggggccga accaaaccgg gcgatgggtc ctatttctcc attctccagt tttacaactc 540
g 541
```

<210> 252  
 <211> 603  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AA892918

<400> 252  
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 aactattagt aaaaaaatac acttttagggc acagcattgt atcacaaatt ttacagaagg 180  
 gatactttgc aagaatttaa tcaaactaga gtaactgtat cttttaaatg cagcacttaa 240  
 aaatgtaaca actctgtgca ttctttttct taaaaaaatg accttatatg tgtagaaatg 300  
 ctgctttatt gctgcagagg tcaaagttca aggctcaaga ggtacaggag agaatacaaa 360  
 ggtagcctta gaaactcggg tctgtttatg tataaaaagg taaagtttat aaaagttaat 420  
 ttacaaacca agaacaaaag tggatgcac gcattatgta catgcgtcct gaacacatca 480  
 aacatctcag atgcatagcc caaagaacag aagaccacca accactctcc cttgtcaaaa 540  
 aaaaatattt taagtcacac cattaatttc ttccagggtga tttacacatt tccgaaacca 600  
 tca 603

<210> 253  
 <211> 441  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AA892950

<400> 253  
 cgaagaaaga accaaaagtg tctactgtat aaatacaaaa ggccaaaacc gtattaacat 60  
 aaggtaatga actaacagag actgtccatt agagtgcgga ggccctatgcc ttcccagctg 120  
 acgccaggta cttgaccagg aagtctctca gcctggatat gtgcatcatc tccttcacgc 180  
 tgggtgtctcg gcttcgaagc tggatcagcc cactttccaa ggtgggttca gtgattagaa 240  
 ccgtgaagag gatactcatc tcatcgtact ttgaatagag ttgctctaata gaggactgtg 300  
 cagtttccaa ataaccaggc cacacagcaa tcccattttc tagtaactca ttgagtagcc 360  
 cttggcaaac ctgtcggagt tccacgggtg ggcctttccc cacatctaga gccaccttaa 420  
 taggggctaa acaagggtga a 441

<210> 254  
 <211> 496  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AA892993

<400> 254  
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 ggcgtggggg aaggggctgt tggactaccc caccctacc ccggcgctgc ttggttagcg 120  
 cctgccagtg ggggtccagtg gctgtatggt gagggtgcta ggggtcctgct cttcatcagg 180  
 ggtggcggtg gggatatcga gtccggaggc catggttctt ctgttcctga cccactgtac 240  
 tgtgaccctc cctgtgaggc aggcaggtct tccgggctct gcaacctggg ttgggggttcg 300  
 aggttaaagg gatgcagttg agatttcatt tgaggggggt ctggagacct caagggtgcag 360  
 cttcttcctg agcgggtgtg gaggggctgc tcccggtcca agaggcctgt cacaggtgct 420  
 cgctgtggga cagagggggt gatgaagacc tcgagctgag ccatactctc tcttcacccg 480  
 ttctctccct cctgca 496

<210> 255  
 <211> 482  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AA893000

<400> 255  
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 aaactgaaat ctttaattta caggactata aatgatgcca cttaactgag aaccagccag 120  
 caaacagtag catctgaaga ccaccactcc tggagggttc cccacaccaa gtcagcctag 180  
 tagtgactac agtagattag gagctaggag tcagaagaac aatgcttgag gttataccaa 240  
 cgggggtttc cttactcctt tgccagctgc acattggtag gctttgctcc aatggggatc 300  
 ccatatttgt gcaaagtgtt catcaaaatc tccctcatgt cgttgttgta ggaatcaaag 360  
 tcaaatacat tccgaaccac actggagagg ccttcagtag ggaatttctc taagtgtttg 420  
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 tt 482

<210> 256  
 <211> 367  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AA893032

<400> 256  
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 acaagggtca tttttggtcc aagtgctgtt aacatttttg agggagtttt aaggcatttg 120  
 ggtctcaggg tttgttagct tgccctattg ccttcttagc cagcagttct gagcaactct 180  
 caagctttgt taccatctga ggtgcatctt ctttctgtgt acttctattt ctaactcatt 240  
 gttatgctgt tactctctgg tctcccatgt agagtactca ggaggatttt cttgatcttt 300  
 ccgctccatt gagaacatct ttaattgtat gaaacatcgc aggttgtctt tatctacaga 360  
 gtaaagg 367

<210> 257  
 <211> 424  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AA893080

<400> 257  
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 aaagtgtcct ccaagaagac atttcctata taaacatggg tgtgatgtgt gccacacatc 120  
 ctcaagatga cagaaccctt tgcagataaa attaaaattg aatctgagtg agaaatgacc 180  
 ggatttccca ctttggtgaaa gatcaggcag cagcctcccg gcagccatcc ctgtgtagaa 240  
 gacagggtga gctgtgacct ctgggaacaa ggcattgagac ctctgtctggg gaccatcagg 300  
 ccaggagggc aggtgggcag tggcaggctg agggcagagg agaagggcag ggcagcatgg 360  
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 ctat 424

<210> 258  
 <211> 479

<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA893082

<220>  
<221> misc\_feature  
<222> (1)..(479)  
<223> n = a or c or g or t

<400> 258  
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tttttttttaa gttacagaaa atccagttct gcaccacaat acaactgtaa aaaatctgca 120  
tcaccttaaa actgtgcagt aatgccattt tataactgca taaattttat tagcgttcta 180  
aacagttttg cgattttttt tttgtattat atgcttgcag gttatatctt agtgcaattc 240  
agtcccaaat actttaattt tggaaaaaaa acatacagtt tgaatgtaaa atacccttac 300  
agatataagc aggggcggtt ccccttttta atactttggt tttcaatata gtccacggta 360  
tagcaagaac tacacatacc caacttatat ttaagttgca agcacatgct tcagaagcta 420  
cttttaaaac agtcnccttg caaactctac ccccttaaac atcacaacag taaacgatt 479

<210> 259  
<211> 413  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA893189

<400> 259  
tgctaactag tgtaaatatt atcacatgaa aaccaacccc ggattaacaa aacaacctta 60  
tgattagaca cttaagacct cgattttttg cttaactaga aatttacacc accagaagtt 120  
cctgattaaa atacagaaat ctataaagct ggcgcaggac gtaaacttga ttggttcctc 180  
ccagaggccc actggctcga ccgctagcca cgagtcccg ggctctcagc gcagtgtgac 240  
cagctcttct gaagaggtag gatgaatggc gaccgtattg tcgaagtcgg ccttggtggc 300  
ccccattttc actgctacag cgaagccctg aagcatctca tcgcagccaa tcccctgcat 360  
atggatgcca accaccttct cctctttggt ggcacaaacc atcttcatca cgc 413

<210> 260  
<211> 643  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA893242

<400> 260  
aatgccgttt atccagtctc agaggtagcc cttgaaggga agaaactttt gatttgaccc 60  
ttttttctaa gatttttggt tcaggacctg aattaagaaa aatcaaaaaca aaacaaaaca 120  
gaaaaattaa gagatgattt tttctttctc ttgaaagttt aagagagatt ctcagttcat 180  
cttttcatga ctggaacttt ctaagacaaa ccacaaagcc atataccaag cagaaatcag 240  
agaacgaagc ccagtcccca tcagctgcag gtggaaacca cggagaagcc agcacagcaa 300  
gtggctcatg gttaatacct caggtctggt ctgagaaaag atgccgatga actgctctga 360  
gcaaggtttg aaacccttct ggatcagcgc cgagcctatg cactcagcca tttctgcaac 420  
ctgtttgtaa gaaatccact catatggctg gtttggcttt ctagaacctt aacaagggcc 480  
atcatttgac acctgaatcc ccctctggaa gccatcgtac atcgttctga catcgctgta 540  
gtagtacagc aagagcttgt cgtcctcaag gactgctgat cttcggacac cctcagtagt 600



acccggttact ttcacagact gcatggacag atcacatggg ggc

643

<210> 261

<211> 540

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA893246

<400> 261

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cataagtcac atttaaattg gcagaaccac ttccattaca cacagacaca tcgtgcaaag 60
aaaagtaggc atagagttga gtccacagta acacaatggc tgcacagcct cagacaacag 120
tgccaagggt tacaagtggg taggaaggaa ggctgctcag catttgctg agaccatgaa 180
tgtttatagt aagtatttcc taaagtttta aacacatcag tcaaactagt gttaaatagga 240
tggtatgact ctttctactg ggagattctg taagtgtctg gtgggtttta caaatctcag 300
gttgctgaat tatgatgcag gaaaaatggc ctccacacagc attctgataa atcttacagc 360
cagatgaact cttctgccaa aataaatacc cgcacatacc gaacctgcac actgagttaa 420
atgatgctca gcctgaaggg agcagcgggc agctactcga acagcagggt ctcgtccttc 480
tcttcgcgca ggaggttggc gggctccatc aactctccag ctgctctccg ccgctccaag 540
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<210> 262

<211> 512

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA893436

<400> 262

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aacaaatatt cagtgtgttt aatgccacct caaacaaga caccacccac agagcaatgt 60
gaaaccgaag gcaacacatg acaggctcac tacatttcat caatttatac acagaaataa 120
aaatccagct accaagaggt cctctcccag agtgccgggc gcctccgcga cattctcccc 180
tctccctcag cattcgaacc ctcttactaa gagaggtagc ttgtgccag gctctattcc 240
agtagagctg gagaatttat gacacactaa aggaagccac cagaccgggc ttccgggcaa 300
cccacttctg tcccgttcct ctttttctct tgcttagaac aaaaagtga ccagcaggcc 360
actttgtggt ctcgtaaccc aatattcaaa gccatcgtgc ttctgatctg aagtgttttc 420
tgaaggttgt ggtgttcagc tgataaggcc tttcgttaact gattggatca ctatgcaatg 480
aaggaagggc tcaggcttcc tcagcaagtt aa 512
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<210> 263

<211> 466

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA893453

<400> 263

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tagtgacagt ggacagtagc catttgtatt ctgaatgcaa agattcctgt caatatgaaa 120
agttcgggtc gatgttaaac aaactacaaa aggtttgaac aggtcgctca caaaagggtat 180
ttaggttatc agttaccatg tgaaatattt tcattgtcgt aacacaccag agaaatagaa 240
taaaaatggg ggacagtatc actttacacc tacgagaatg gctaaagtca aaagaatcga 300
catgcggcct cctgcccccc gcagatgtac aatgtttaca cctgacacac acaggtcacc 360
agagtctggc ttcttttcat cgaatataaa tacctgcttt cccaccacc aacaaccaac 420
```

cagcaaatca gtgcccgtat ctacttaaag aaagttaatg ggtgct 466

<210> 264

<211> 410

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA893454

<400> 264

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gcttctcaga ttttattttg atttgggttc acagcaatcc caaggtgcc a gagccactg 60
tcagtgggca aagtatactt tagacacagg gaaggtgggt acaccccacc actgacagac 120
ttagaagatg catttggcta cagcatggat gatctctggt gtgacatttt ctgacgtctc 180
cataagacac tccccatgag tttctattta attcgcttct aagaaacttt ggaaatttca 240
aaataagtgg atggtcaaga ataaaaaaat atgatctttt ttaagctgtg tgtataatgt 300
gcctggtaag ttagagggaa atgagttttg gaaagcaggg tttatgtggt ataaaaatac 360
tgttcattta cctaagactg ataataaatt ttatggttga ataaaactta 410
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<210> 265

<211> 434

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA893485

<400> 265

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aaaacataac tgagctaata tttttcaaag gattgtaaga agacaatgac ttaaaaagaa 60
aataaatttt ctgttatact aatacatagt gaacttatca agctactgta atactgtaaa 120
tagtcatgct tgtcaggatc tttctggaag gacatggcca agcatgagag ggtggggggc 180
atccatgcag tcattctagg ttagttgagg agtaggaaat tgagagtact tctcgttttg 240
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agcctataga ggagactgta tttcatgtgg tgtaagcatc tggataatca gagtaacgac 360
gaggtatccc cgctaatect aggaagtgtt gagggaaaaa tgttatgttt acacctacaa 420
atataatggc aaag 434
```

<210> 266

<211> 656

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA893495

<400> 266

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gcaaaaacat cctttaataa ctgttacctc tttctcagtg ctcccttctc aagtgacttt 60
gtcttgagag tggcaacaag ggctactcat tgctagttat ctaaaagtag attgggttgg 120
ggagaccctg agaagactgg ggaaaggctt ccatccctca aagtcagatg gcaccaaggc 180
ttctcaggac acgttcttag gctggattga ccacttggtc catcatcagg ctgctccatg 240
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aatctgattg gttggtgagc aagtccttaa tgttcaggte ttccagcacg tctttaagg 480
cataggtatc agacatggag aatttcggga tgtatagggt cacctgcctt ggggtcataa 540
gcttgcccca cctatcaatt gtgtcccagc taagtgcagc gatgacagtg tccatctggc 600
cctggtccgg aagaatgaag aaggcagttc catttcccac atagtccatc tgtatc 656
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<210> 267  
<211> 630  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA893552

<400> 267  
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agccatgggt gcagagttat tcatatccag gcctaccag tcacgttctc ctgctggtaa 180  
cagaccacct aatcctaggt ctgctatgct gtgggggtga ccaccttccc catgaagagg 240  
atatacctggg agctgggtga atacaatat accaagaagg gccggttgaa tataaggtaa 300  
cgtttcttgg gctgggcaga gaaaaaggtg gaaaaggagc cgggtggctgc tgctgccttt 360  
gtgccaaact cattcacatc caggacggtc ttatggaaaa ctttggataa gtacaatttc 420  
tcctttttgc tgatatttga gaagttggca tttgggggtga acagatcctg gaagcccaag 480  
tcaggcaaaa tctcatccaa ttcataaggaa tttgaaatgg agaatttagg gagctgcaat 540  
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ggggacagca cctgctccac ctcatccaac 630

<210> 268  
<211> 485  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA893667

<400> 268  
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cgagggtgag gggaaggata gaggtcaatt cattcttctc tcagactcgc tctcatccac 120  
tggtgtctct cggggaggac cgttttctgg aagccagtgc agaagggtgc cctgttctct 180  
ctggtgtccc aagctcagct ctgtccagt tccgaggagc ctctcccag gaacaggggc 240  
tggtgtctcc tgtgtgggtc ggaagaagtc agtcctgctc catctcgatg agcgtgcgc 300  
tgccgctcca tctaccctg gcagcagcgt gtacccctg agggcgggct ggtcagctgg 360  
ggcatctggt tcagtccagg caggcccatc agaagccaaa catcatgtcg gcaatttggg 420  
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ttttg 485

<210> 269  
<211> 407  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA894027

<400> 269  
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aaagtttgag ttctggaact gaagggggtg gggttttgca agcaggaaga acaaggcagt 120  
taaggaaatc ttctcagaac atctggtaca gaacattctt tggttatggg atggggtaca 180  
gctaaattct gagaagcaga cattggaacg taagttttac agtaaacaga gcctcgaaac 240  
gactcctggc cttcaaattg acttgaactg gtttctgact catctgtctt atgtgttcct 300  
gtcacataag cctcttggaa gctaacattt ctggctattg taatggctac tagtggcaag 360  
catttttagc ttctttattt gtccgtagac aagccttggt aagcgt 407

<210> 270  
 <211> 511  
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 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA894233

<220>  
 <221> misc\_feature  
 <222> (1)..(511)  
 <223> n = a or c or g or t

<400> 270  
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 ctctgtgaag ctctgacatg gccagcttcc tgcagacagt tgatcctgcc ccaacaaagg 180  
 gtgagcttgc tgggtggcac ccacgacagc agagccaggg gcagagctgc cgggtgagtgg 240  
 tcagtctctg ggagagagag tcaagtctca actccagtgt ggaacagacc ttggtcacag 300  
 tccaaatggg gatggactgg aaatcccacg gaggtgctta tctcaaggac tcttgccacc 360  
 cataaccaga ggccaaggcc aaaagcaagc agaaagaagc aggggtggtta cctggaaatc 420  
 actcgaggac tcagttgccc ctctggtctc tggagatcaa ngcagcaatg ctctcccca 480  
 gccacaggtc tctatcctgg gattcctaaa g 511

<210> 271  
 <211> 473  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA899045

<400> 271  
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 catgatcttt tcagaggaaa tccaaaatct ttttgtcagc aatcctgttg attccaactt 120  
 ttatcatcct gatgagattc tcttgtctga agctcttcat gcattcagggt acttggcatg 180  
 atgcctgatg tggtcagtga tgaaggttgc gatgaagtag tagctatgat cataaccctc 240  
 ctctgttacg taagagtaca ttctgtagtt agtgttccaa ggatcctcag tggcgttcac 300  
 aaaaaacccc gcaccagtgc cgaagtccca gctgtcatct tctcctttaa tattgcagcc 360  
 acgggggctg gtatcaggag caatgaccac aaggccatgt tctgaggcag cttgttgaca 420  
 gccagacttt gatatgaaat tttgttctgt gcaagttaaa ccagacagcc agt 473

<210> 272  
 <211> 477  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA899113

<400> 272  
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 atcacactat acatgtttgtg tgatcttttt tcttttttct tttttttgga gctggggact 180  
 gaaccagggt ccttccgctt gctaggcaag cgctctacca ctgagctaaa tccccaaccc 240  
 catgtttgtg gatcttaaag aaataaaatc acttttgacta tgtcaaaact agtctttgcc 300

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catccatttg tcccctacca cagctcccag tgagagttct agtcacagca atgtatcgac 360
acagacatca catcaaagat acttcaaact cctatgtatc aaagtagtac atggcttgaa 420
gacagatggc actaaatata taaaacacag tacagataaa ctggaacctt aacacta 477

```

<210> 273

<211> 536

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA899195

<400> 273

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aaagctttcc caccatgccc atgtccaggg cctgaggcca tattcacaca ctgaagagca 120
gacgtgtatc ggtagccatg aggaaatctt ccagagctca gtctctcact gtcgcccagc 180
tgacaagcac aagctgtggg ctccatccgt agtcctgcat aaagcaagca ggacacacac 240
ctgtgaccct agtactcggc aggagagct gggagggagg tcaggagttc aatgtcagcc 300
tgggctacaa gagaccctat tctcacagaa gaaaaacaca gagcatgttc tagcaaaggc 360
taaggcacgt ctcccacaag tggaaagctg gaacatcagt gtctcggcga cagggattct 420
cctaattcca ttagtgaagg gcgtctcaag tcagctggtc accggagcca tggctctctg 480
acacagtgtc ttcgtttccc actatttcat tgagcttcac tggctctgtat ttttca 536

```

<210> 274

<211> 472

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA899256

<400> 274

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tttttttttt tttttttcaa aaacttcac c atcatctttg tctttctcaa attctttctg 60
acaccgattt aacaacagtt ttcgaaaatt cacagtcact gttggctttt ctgtagtggg 120
cactttcagc gccatgaggc agcggcacat gttggcataa gccacagaga agttgggctc 180
tgaaatggct ttctcgaaga tgaggccaat gactcctttg aggcgttcct ccgtgtcaat 240
ggccagctgt gtcacctgct tcatcagctg ctgaaacatc tgggggtgtca gcttattcaa 300
gatggagcgt acccttcgga acaggctcctg ggtcttgctt ccgtcagcat cctcctcccc 360
tcgateccta tcagcggctg tccgtttgct actgggtttc cagccttctt ctgctttggt 420
cagttttatg tcttcagtca ttatcactga agaaatgatc ttgcgagttt cc 472

```

<210> 275

<211> 343

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA899498

<400> 275

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taaaggccaa ggagagcccg tcatccaggg gcaggaggct aatgtagacc ctggcgctccc 180
gcaggatgcg ctcgttttagg ttccgcacac attcaacagc cttgttctgc gtccaccacc 240
gctatgtcga aggttccggc ctgcgccgcc gccaggagct catccaaagt ctgcagggcg 300
ggctgcagcc gaaggtcgat cttctgctcc acttctgect gct 343

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<210> 276  
<211> 333  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AA899635

<400> 276  
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ggccatcgaa gacggaaatt tggaagaaat ggaagaggag gtacggctga agaagaggaa 180  
aagacgaaga aacgtggata aagatcccgat gaaggaagat gtggaaaaag caaagaaaag 240  
aagaggccgc cccccagctg agaagttgtc accaaatccc cccaaactga cgaagcagat 300  
gaacgccatc attgatactg tgataaacta caa 333

<210> 277  
<211> 470  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AA899721

<400> 277  
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tatacttaag gttccccctt aattcatgat acaaaagaac tctatttttg gataggcact 120  
attttttaaat tacatgttat ttgtgtgtgc atgtgcagggt gtgtgcgtgt gttggaggac 180  
aacttgtcag agttggttct ctctaccat gtagatcctg ggggaaagac aatctcaagc 240  
tgtcaggctg ggcagaaagc accactatca ctgagccatc tcaccaggct aataggcaca 300  
gttttataag gaagttttaa tttctttggt gtcttatagc actggagaat gaattcaggg 360  
cactatagaa gaaagtcaaa tgcattgccca ctaagctata tctcagctct ctcacaggca 420  
cttaattcat tatattaaga aaaaaaaggg ggggttgagg atttagctca 470

<210> 278  
<211> 344  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AA899797

<400> 278  
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tgatctaaag aatctgtttt taagaagctg agaaggtaat gaatagatct gactactgca 120  
gggcataagc catactcaaa aaattaactg ggggttgagg tttagctcag tggtagagcg 180  
cttgccatagc aaacgcaagg ctctgggttc ggtccccagc tccgaaaaag aaaaaaaaaa 240  
aggaaaagga aaaaaattaa ctatatctt atatgttagc acttgaaaac tcaacatagc 300  
caggcactgt ggctcacgtc tagaataata gcactaagaa agct 344

<210> 279  
<211> 426  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AA899847

<220>  
 <221> misc\_feature  
 <222> (1)..(426)  
 <223> n = a or c or g or t

<400> 279  
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 cttacagtga acttttgaga tcacacagat agacaggtag acggatagac acacacacac 180  
 acacacacac atacaaacac acacacacat acaaattgtgc atacaagaac tataaactgt 240  
 taatcaaaat tatgaatgat aaggattaag caattttatat attgggaaat ggagganggg 300  
 aagggcagga aggagtgatt agagaaggct caatgaaggg gatgacggtg agcaagttct 360  
 ccaagcatgg ggatgaaatg gcttcaggt cagcataaca gcttgaacce aagtaatatg 420  
 gtggaa 426

<210> 280  
 <211> 351  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA899964

<400> 280  
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 gagtgaactgg gcgcgcggtg acagtgacaa accagtgagc cactgtgatc catagaaagt 180  
 tacattagca atcaggagag aaagggaagt gtgaggtggc ccataggcaa gatgtgagca 240  
 gagcacctgg acccttcctt ccctacatgc agtgcttggg cctgctgac gggcacagtg 300  
 accttatgac ctatagtaag tggccagcct ctgactgcta tgcattggtca g 351

<210> 281  
 <211> 480  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA900009

<400> 281  
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 ttgaacacat ttaaactgtg aggcctttgcg tactcaatct tcagagtgca acagccagaa 180  
 tagatatcag cccattcag tgaggcctta acgcgctggg cactttgcac agaatacaac 240  
 tccaccatag cctggactcc attcttcggg aaaatgacaa ttctctggac agggccacaa 300  
 ggattacaga tagtgtaaag aacatccgtg gttatggagt agatgggggt caggatggta 360  
 aacagaagca cactgttgac gtcctgggag tcatcagagt caccggggcg agagatcttc 420  
 tggctggtag aataattgac aaaagcaagg tgaccagcaa tgtagatctg gttgtctgca 480

<210> 282  
 <211> 493  
 <212> DNA  
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA900290

<400> 282

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agacattaag ctatttacca tcttaccaca ctggtcagtt attttgtttg gaagaggctt 120
caacaattgg aagagaactc caggttatct ttttgactct tacatttttt tttagaaaat 180
ttgaacccaa tcactctggc gtcttcggga tttttttcga gagagggtct tgatatacag 240
cccaagctgg cctccaagac agacttcctt gtctcagctg agtggtggga tcacacctgg 300
catcttgata ggatgtctca ctaatattct tagcagctgt tctcaagcta cttgtaaaaa 360
gcacattgca gaagaagtga tggagtaact ttcacatcta ccaatgtcat cacaacagaa 420
aaggcacaaa taccgcacag tgactacagt ggaaactaga accgaacgct acagaatctc 480
tgaaacacaa tga                                     493
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<210> 283

<211> 527

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA900506

<400> 283

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acatgggttt taaacacagt gaggcgtatg catctgagct ccgttgggtca caacacagaa 180
atgctgccgt aactttgctg ccacaggat tctgcgcgcg aatgggtttt gggggtaggt 240
ttaccgcctg aggtggctcg tcacataacc atcggctgtg gattcccgag cagcacagga 300
gccagctctc gcaaagcgcg gactggcatt tttaggtgtc tgaacctgaa taggagttca 360
gcaaagcttg tgctcccttc cagtcccatg ggtggcaagt gtcgcggtgc tggcacagag 420
tggtagacca tgaatcaggc caccatgttt agctgagact tctcaacagg ctgcccacta 480
aggtaggcat gcacacacac atcgctctca gcttgtagcc actggtc 527
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<210> 284

<211> 274

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA900548

<400> 284

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tataagaatc ctgaggaaga ctgacaagaa tatgggctag ggattctcca gaagtctcag 120
gctcatcatc tggggtgagt tactgtgacc tcccttaaaa tccgtggtct tcacaacaag 180
tcgggcaatg gttttcgaaa ccggaccgct aagcttctca tggatcatca aggtgttcca 240
ttaaacatgc actgtaaaaa tgacgttttc tcgg 274
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<210> 285

<211> 406

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA900553

<220>

<221> misc\_feature



<222> (1)..(406)

<223> n = a or c or g or t

<400> 285

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gggccctaag gtttttggttc tggagccaag attcttttctt caatatgcct ggccctggggc 120
cctagtggct gaggagacaa agtgaggggc tcccacagta cctggactag gaccgagaca 180
ttcctggcag cccaaggaga tacaggagct tcagaaagag gtcctcatg gagctgacca 240
ggagctcaag gttccaataa cacatgtgag tgcggagctg ggaacacatc ttccattgga 300
ctgtcctggg gcttgtcttg tcaactcaagg caagtggagg tcagaaattg aactcangg 360
caccagagat aaaagacatc tgaggccatg gagaacaaag atgctt 406
```

<210> 286

<211> 535

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA900580

<400> 286

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gaaatggagc gcacaaccgt ttagcaggaa gtactgcgcg aactgtgagg agccctctt 120
gagtccttta cggactaact gggaggttta gaattcccag ttgcggcgca cttgggtttc 180
tttaatgtgg ctgcgctga aaactctaga cggggtgcac gacctgggaa agccaggcgc 240
tcccagctag gcccgggaaa agcacggaac cgggaggctg accttagtag acaacctgt 300
agctcctcct ccgggttaga cggcctggca gccctcacct gctttcatca caggctcat 360
tcgcatcatg ttgtccatca ggcccgtgca gtagcccagg aagccgatgt agacaagccg 420
cgggtcgttc agcttgggcg ggggcagtct cgggcctca tccggcaaga atcttaaggg 480
ctcatggccc ggccggccgt tcatcatatt gatgcgggtt ccacgtgagg tctga 535
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<210> 287

<211> 398

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA900613

<220>

<221> misc\_feature

<222> (1)..(398)

<223> n = a or c or g or t

<400> 287

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gacccgcggc caccccaagg ggccaatcca tccccatgac ccatcgggac agagggaggt 120
ggcacatgcc ctgtgtactt cttcagtggc aggtggcact ggccctcagac ccgtaaccag 180
ctgccagggt aagagtagtg aggggaacga gagtgcccag ggccagggca ggaggctgac 240
ccccctcgtc ctatgacacg agtgccacca ggggtggcag caccactgct gaaccgaggg 300
gaactgcana gacaggcttc tgggaccag ccactgggga ggccaacagc agtgtgcggc 360
ccttcagtgc atgtggcccg ggtcatcatt ccatccca 398
```

<210> 288

<211> 534

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA900863

<400> 288

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aaaaaaaaaca aaacaaaaaa acaaaaacaa gatgtccatc ccttggtcc cttccctccc 120
ccctccagct gttcctcagc cctgccccca ggactgaacc ctgggctagg gccaggtagc 180
aggacagccc ctcaaatgag gtcagcaacg ttgaggggca tctcttcaat ggaggtgttg 240
tagaaagtct caatgtctcg aagagtcctc ttgtcttctt ctgtcaccat gttaatagcc 300
acacctttcc ggccaaaccg accacctcga ccaattctgt ggatgtagtt ttccctgttg 360
gtgggaaggt cataattgat gactagggag acctgctgca catcaatgcc tctggccaac 420
aggtcagtgg taattaatac tctgctatag ccagaccgga actccctcat gatcacgtct 480
cgttcctttt ggtccatata tccatgcatg gcagaaactg ttaaatcccg ggca 534
```

<210> 289

<211> 447

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA901006

<220>

<221> misc\_feature

<222> (1)..(447)

<223> n = a or c or g or t

<400> 289

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tacatgtcgc cattaacaga gctgacgaca aatattggaa ataagtgaat tactgaagta 120
tggaagatt taaaatgtca acttgagtg atcatgcaag cccatgcatt ggtgcctgcg 180
ccctaattgc aggacctact ctgctcatcc ttgtggctct gtacctcag cgggggttcgt 240
agtaattctt ttcacaaag gtattgacag tccaactaac aacctggatt ctttggtctg 300
accacttctt caattgtccg gggagacaaa atccttctgc atgaggaagg ctgaaatccc 360
acacaggtac cacaagacat tgtgcatgct ccagtcaagc aagatgtcca acaccacana 420
cacagactgc ttccaaaaga cgctgta 447
```

<210> 290

<211> 330

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA901107

<400> 290

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acaaaggaca gcgtgaagat gtagctgtgg tcatccgtgc acggactggg ctcttggtcca 180
tttagctggc tgtcatgtca aggtttctta aatgccaaacc tcagtgggtt ataaattatc 240
ggccccccga ggatttcagc aagtccagat catccgtctt cgaatccatc tcttggtact 300
gaacttgatg tatcaagacc cctcgtgccg 330
```

<210> 291

<211> 412

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA901152

<400> 291

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tttttttttt tttttttaag aatacgaag atagtttatt gaatctaat tctccattaa 60
agcctttaaa cataaaatct ctgtaggaaa tgtcacaact tagtgtcatc tgtcatataa 120
ataaatatac actaagatgc acactatcaa caggtgtcct caacgtgagg ccacaacaca 180
gggacgcagt caactttaca actcaggact ggctggactg gggagtgagg gaggggcagg 240
tcgaggggtg ccgtgggtgg ctgtttattgc tcaatctcgg gtggctgaac gccacttgtc 300
cctctaagaa gttgggggac gccgaccgct cgggggtcgc gtaactagtt agcatgccag 360
agtctcgttc gttatcgga ttaaccagac aaatcgctcc tcgtgccgaa tt 412
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<210> 292

<211> 580

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA901338

<400> 292

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tgcattttac agaagtctat gaacgatttt aagaagcacc tccttactcc atcacgtttc 180
tctgacagtt gttaaaagtag gcaacgagta tatcaacagc ttgaataccg gtatcttgca 240
aggatttcag aacaatcact cgccaaagaa cttggcagtt tctatcttgt ttttaactca 300
atggtacatc cactctgatg gtaacctgtc cagccaaatc tccaccacat tttgaaaaaa 360
tcaatggtga ttagcaaatt agtttagcttt ggcacggagc tgtgctcgtc tgccctgtgac 420
agcctggaag ccagttttga tactggccac agagcatcga gaatgacaag tttcacactg 480
taagaaatag agtcgggtgt ctttctgtaa gattgtgtcc ggtgaccggc atgtgtgaca 540
agtgcagtat tccttgatat atcttctcaa gacgttttct 580
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<210> 293

<211> 492

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924036

<400> 293

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caatttttct catgttcttt ggagtcttgg gtttttgaga aaaacaataa ttccaggagg 180
tacaaggaca attcttcccc aaacgataac ccttaacaca tcttacacaa aaaaaggagc 240
ccaggagaaa ctggaggatt cacggtgtct aggttataaa tatcaattta aaagtcaccc 300
atatcatgta actcaggagc ctctgttcca acccagtgtg ttttatgaaa caaagagaca 360
gggctaacta aaggaatcaa agaacccttc tccaagcact gacaccaatc taactggaca 420
ccctactctg atcccatgtg tccttgctac aaagatgatt ttaaaagtaa gaaagctgct 480
tgtcctgaaa gg 492
```

<210> 294

<211> 494

<212> DNA

<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA924152

<220>  
<221> misc\_feature  
<222> (1)..(494)  
<223> n = a or c or g or t

<400> 294  
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gagctgggtca ggcaggcggc atcccacagg agagtgggtg gagtccttgg gcagcacctc 180  
acagaatgat ttggttggtg aagcttcgac tcagctcctt atgtggtaga acaatcgagt 240  
tcaagataag cacctcagcg gggatccgta ctgggcagcc caggatgggtg atggcaggaa 300  
gtagctttcc atctttgaag aggtctctcg tgtccatgcg ggcgcggggg tcattgggat 360  
tggggtcatt gggagtcccc tctacgcggg cccagcgcgc cacagtgtc cccagccca 420  
caatgctgtg aaggacacag gtgtgttctt gcantgtggc tccatggagg acaatactct 480  
cccgcagacg caca 494

<210> 295  
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<212> DNA  
<213> Rattus norvegicus

<220>  
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aaaaccttta agtactaaaa ttttacatca tgatttggtt aacttaagaa gtgttatgac 180  
gttgagaact aatagattta aagcagaaat gatgacttcc acaagaatca gtcactcctc 240  
ccaacatga gaagggaagg aagacaagga aaaggtgaga cagaagaatg aa 292

<210> 296  
<211> 380  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA924236

<400> 296  
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ctactggcta tcttggaaac ctcaaaaaga gtctgtattg gtgaaacgtg ggatcagttc 180  
tatctcacia aactggaaag attataattg agacactgta ggcagagttc agcatgaagg 240  
tgcttgactc acagtaaatg ttcagttcat agttactggt atctactctt aactttaatt 300  
cctcaaagct ttaagcttct aaatcttccc ctgggattaa aagtctcata aaatgtgtac 360  
tttctctat ttcccttctt 380

<210> 297  
<211> 226  
<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924261

<400> 297

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agaagaaggt caccaaccag attcgtgtga caggcctggg gggtcacctc agagattcga 120
cattgtgaat ggcccccatg gggtcatttt tatacagcat gaagtagcct tgcacctggg 180
caagactaat ctgggatgta gctttaagga catgttcagc aaaatt 226
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<210> 298

<211> 464

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924289

<400> 298

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tggaaggtg tcctccatga ggccagccac gcggttgtgc gacaggcca gccaacgcag 120
ggccttcctg cccagaaagg caccaggggc caccgctgta atgagggtcc ggtccaggta 180
cagcttctgc agcctgggca aatgtacaaa gacgttagct ttgacgttc ggagtgcgtt 240
cctgctcaga tccagctccc gcagctcgcc caagccacag aagagcgcag gctgcaggta 300
agtcagtttg ttgccagcca gcaccagctc gtggagggtg cccagtcctt ggaacactgt 360
gtcaggcagg accactagac tgttccaacc caagttgagg tcccaaagg gactgaggcc 420
ctggaacagc ctttctcca gccggcccaa gaggttgctg ctca 464
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<210> 299

<211> 441

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924301

<400> 299

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aaccatacaa ggatccgcct gggctgatta gtttgggaga tgatctggag gttggtagga 180
ctctccttca tcctcaatgt aaactgtgcc tctggtttcc aaagttcccc ttgtttctcc 240
aaacgttgta tgtctagaaa catgttttaa gaaacaaact ggagaattgt atgggttttag 300
agtgcagttg agaagagaat gaggggtggt ttgtttaaag tacagaacaa gaaacttcca 360
ctgcttaact gattatccag aagtgaataa gaaactgagc taaagggtgt gctggtggcg 420
gagaaaggga gcaacaaaga t 441
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<210> 300

<211> 441

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924307

<400> 300

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ggtgtgaagg gctctgtgac ttccattttc atgctctggc tctcagtcct ctggcacctg 120
tgcgtgaatc gctgcagcaa ggctgggcca acctaaggcc ctatgcactt tggcatctgg 180
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accagggacc gtttccagac cccacaaggt gaagtgactg aagctgccgg tggctccgat 240
aaagcgggtca aagtcgccgt ccagcggctc ctgtgcctcg tccgctttgt cctccgcgtc 300
ccctgagaag ttcagcttcc ctatcagccc ctctcccatc tcttctgtca ccatcacgaa 360
tcccgcaaac cctggcggga cagctacatc ttcgccccgc aggccacgac cgcgaaacga 420
cacctgcagt ccgtctgcac c

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441

<210> 301

<211> 355

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924405

<400> 301

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tctgcgactt tttctttttc tttgtgctgc tctttgtgca gcttgagca gcctcaggct 180
cctcagaaaa tttccttttc ttcttagggg tgatggggct tgctgcctct tcagggttcac 240
tgggcacttc ctcttttagg aaggacttct ttttcttagg aacacttatg ctgctagtag 300
ccatctcttc aagatcactg gccaaactct ccttgggaaa agctttcttt ttcct

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355

<210> 302

<211> 384

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924460

<400> 302

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cacagtgtaa caaatacaat ttttacagct gttttacaat cgtggcgtct gttcatttgt 120
gtttcatgct ctgaattact tcatccagta gtttgctcac ttctttgtgt ctctgttactg 180
ctcgactcat gcagtcctga agtttagctc cagtcagccc actccacct ggcttgtgaa 240
gacagcacag cttgccttcc tcgtccatta ctacgggtta gggttcctgtg gacagggtgct 300
cctcctcccc ggtaggatcg actatcagca aagtgtcatc aaacacagca aatgaagtag 360
caactggggt tgctctaaca ttca

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384

<210> 303

<211> 467

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924598

<220>

<221> misc\_feature

<222> (1)..(467)

<223> n = a or c or g or t

<400> 303

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tgactgggag cgcgggtgaca gtgacaaacc agtgagccac tgtgatccat agaaagttac 180
attagcaatc aggagagaaa gggaagtgtg aggtggccca gaggcaggat gtgagcagag 240

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cacctccact gctctcatgg tgggccacag gatacccaga agctgagggg gccttggtgg 300
agggaggctg tccccctatc tctaaggaac tgggacttag tggttgagac gctccactgc 360
ctgcagggtg caccttttcc tcaaaagctc atcaggcact aagtccatgg ttgttgcan 420
aggtgctctg ttctttcagg tactcggttc tggttcctcc cctcctt 467

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<210> 304

<211> 527

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924630

<400> 304

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gcatgcccc aagctctggc tcagtccaga cttcagcttg ggtttgcca gcgagatgtc 180
tccagtccat gaaagcccat ctggctacag cttgagttca ctgggcattg gctcccctct 240
taggccagcc agcaagttgt tagccgccag caaggacatg gtgttgcgag ttttgtaggt 300
ggcactgccg atgtggggca ggatcacgca gttcttgagg gtcagcaggg ggtggcttgg 360
aggcagtggg tctgggggtg tcacatccag tcctgctgct gcaatctgac cactggctaa 420
tgctgggtac aggtcttctt ggtttaccac atctcctctg ctgatgttga tgaagacagc 480
agtgttcttc atcttctgga agaagtcctt gttgcagagc cccctgg 527

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<210> 305

<211> 465

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924763

<400> 305

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cttcatcatt ctacgtacaa cacagataga atgtcagttg gttccacttt agataaatcc 180
actttctcac aataatgtta ttattttcgc tggccgagtg gcaagcttca tcctagctgg 240
cacgtcacca gtttacacac acgggggtgg ggaggggtgg cgtgaaaggg atgggggtgc 300
ataggactac tgtacagtgt aacagaaaat cattaataaa gtagtaccgg ttaccaacag 360
tgctgcctgt gcgcttatca caatggaatc gacgaagttt caaagcaaaa agatctgaaa 420
tacttaagac agggtcactg ttacaaaaag aaatagtgca aacag 465

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<210> 306

<211> 517

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924767

<400> 306

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ggaggagctg agagttctat atctttatat gaaggatgct agaagactgg cttccaggca 180
gctaggatca gcatcttaaa gccacacct acaatgacac acccactcca acaaggacac 240
acccactcca agagggccac acctccta atgtgtcactg cctgggtcaa gcatatacaa 300
accatcacia gaaggcagaa tcatttttta gtcccagcaa caatgaacaa gaatggtttt 360

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ctcttccaat ctgacatcca caaaatagaa tcccactgta attttcattt gtatacttga 420  
 tgttatgcaa tgggtcaatta tcttcccatt tacttaaaag ccacttgtgt ttcattttcta 480  
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<210> 307

<211> 479

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924768

<400> 307

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 tgctccacca atccccctgc tggccttggg ctccccaggc aggaggacag gtggctcatg 180  
 gaggatgaat tgatgataag aaagagtggg cagcaaggtc agagggtcaaa gaaagccatt 240  
 caagcaatat gtccgacact cctctgcat gccgatcctt gccatacaca ctccagccaa 300  
 ggcagccttc tctcccacat tctgccagcc cacagccgtc caggaccact ccctatctac 360  
 tcagtccact gcccattag caagggaaaa caacctctct cagatgctac atgaatctgc 420  
 ttgctccaac ctgggtctag caagaaggga ctaagggttct ggtcatctac aattctcac 479

<210> 308

<211> 450

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924793

<400> 308

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 attcattaac gagctgggtat tttacttccg agggttttca gtagaacagc atcattgaaa 180  
 ggatgccaat gagctgcttg gtgatgggcc tcccgtccga tcagatggaa gtctagaaca 240  
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 aggcgccttc cctgtgggcg gtcagatgta tctgatctgt ggggtgtcaa actcgatatc 360  
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 ctcacattga tttctacatt taaaaaaaaag 450

<210> 309

<211> 286

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA924993

<400> 309

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 ggggaagggg aaggtgtgga aacagggcct tggagccctg gtgtgtgtgg ggtggggtag 180  
 gtgggcagag cgggcgagtg ggttaaaaca agcatcttgc ttactaacat gaagcctcac 240  
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<210> 310

<211> 495



<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA925045

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taaataatac tatttcacct atctttcccc tttgagctgg agtccagatt ctttctctca 180  
aattcttacc aggagtaaaa tcttttagtgt tgtgacctct gtacccatct gtacccaaag 240  
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gtagtggtaa actgaccttt ctgtttcctg agttgttggg agtacagggt agcgctacca 360  
gcattaaaat actttcctgg gatatacttg ctttgtgctt caggcttcag ttcagatacg 420  
aactcccagg aagccttgga cctagtaggg ggagacgcac taacacagtg tcctgtcctg 480  
gaaatgtgta tgctt 495

<210> 311  
<211> 118  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA925049

<400> 311  
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<210> 312  
<211> 428  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA925057

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ctcagtctac ttgaaagtgt ggctttcagc tccacctcgc ccaaagcctt tgggccccaa 180  
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agaggtcagt gtctttccac atttctcgca cttcaggcag ggacgatgcc agtccttgcc 300  
tagtgacgtc actcgtcag cgaaatacac ctcttgctcg cacttggggc acttcggcat 360  
ggcggcacct ggtcctgcac aagtggctgc agctagaagg aagtaggttg tcctcgtgcc 420  
gaattctt 428

<210> 313  
<211> 570  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA925063

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caccgaggcc cccatcacag aactgcagga tcaccgggtgc cgggctggag ttgtggcgca 480
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tgggggaccg ggagaagacg atgtgtatgt 570

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<210> 314

<211> 505

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA925145

<400> 314

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tacattgtag caaaaaacaa aagtagggcg cagcatacaa accaaacatg aatgtggaaa 180
gtgctagaac aagatgaact tgatctctga cttctagaaa ggtcttccaa ggttcatgca 240
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tttgaaagcc aagcatcatg actgttcaat aatcctgccc tcactcgcaa cagctttggc 480
gtctcctcta ctgagactgt aactc 505

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<210> 315

<211> 527

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA925167

<220>

<221> misc\_feature

<222> (1)..(527)

<223> n = a or c or g or t

<400> 315

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cagggaccag ccccaatgcc cacatgggta ctgatagcca actggcttct tcccaagatc 180
cccagccac acccagaaca gagtcttaca aaagcgaaca aatacattta tcttcctttc 240
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taaaatgaaa acagaagaaa gaatccagag ctggagagct gagatgtggc cctggcgggg 360
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ggctccggcc catggacacc aagcccacga gtccttggga gctcatggcc acatggtcac 480
aactgcattg acttcttana aaagcatctt aagactgtgt ccctgng 527

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<210> 316

<211> 535

<212> DNA

<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA925258

<220>  
<221> misc\_feature  
<222> (1)..(535)  
<223> n = a or c or g or t

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gaagatgctt cttcccaact ttgggacaaa gaaaaagggtg aaagcattct gatgaaaatc 180  
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caggacagag gcaggtagcc gccacttcc ctccatcata ccaaaactaa tgacctttta 300  
gtcactttca agatagccag tcaccagtcc ctgtcttagc catagtccagg ctaccctcac 360  
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gcctggctga agtcccacag aagtagctga tgacaggcaa aggcattgtct actgaaagca 480  
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<210> 317  
<211> 510  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA925274

<400> 317  
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gcaaatgatg actgatttct agtgactttt aattatacgt ttaagactac agatcaagaa 180  
ttgtttgttt tccaatcata tattcttttg agattaaaat acaagtgtaa aacagggtta 240  
aattagattc accccaatga tttaaaaaac aattccaatt gaaagaattt caaacaccat 300  
gtatagaact caggacaaa agacaacat agaattcttt tacctttgag gtagcacaat 360  
aatgcttaat tgggtttttt ttttaaaatt attattacaa tgaattttaa acataacaac 420  
aaaaaacgac gaatctaacc tttgctcaag gtgggctata tgggtttctg caaatcccc 480  
atgaggtgag tgacaatttt cactcttttt 510

<210> 318  
<211> 543  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA925306

<220>  
<221> misc\_feature  
<222> (1)..(543)  
<223> n = a or c or g or t

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tatgcaacca tgactgcagc aagaaccaca ctgaatggaa gcaggaagtc tggggctcaa 120  
gagtcaccag agagtggcag ctgggagatg gcacctcgag gtgcagggtg gaggctaggc 180  
ctcaggtgct ccttaaccct tactatggag aggctgaggc ccctcatcga tagatagtcc 240

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tctgactcct ggtccctggg tatttcctca tgaagacaga ttctggcttg gctgtggaga 300
tgaagagac tggccagggc ggaggaaagg gactcttcac agctcctgct gaggaggggt 360
gggctggacg ggttcccttc cccatgattc acatcgatgg atgatatgct ggggacccgg 420
gccttagtct tgttcagcct ctgggctcag ccctatacat actacagcag gtgctgagga 480
caaggcctgg aaggcacttg gcttggaact cggggccctg ctanagaatg cttatctggc 540
tca 543

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<210> 319

<211> 508

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA925384

<220>

<221> misc\_feature

<222> (1)..(508)

<223> n = a or c or g or t

<400> 319

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tttttttttt ttaactatta gcctgagatt aagcaagaga aagctcagcc tgtggttggg 120
cctcactgcg cacacctgcg ggcacctgga cttcacagca gaacgagtgc cctgcaaagt 180
cagatccaaa caccagtggt actcttggtg gcgtcagtaa tgtggatgga actctgccag 240
gcctggtcca caggatcatt ttcagttttg ttttgttttt tttttttcag agctggggac 300
cgaacccagg gccttgcaact tgctaggcaa gcgctctacc actgagctaa atccccaacc 360
cccattttga gttttttgaaa ctgttttgat cctcaggatt gaacctggtg cttaccacag 420
acaggaaagg gctctatctg tcaccttccc tcccatgatc ttcanaggct aaaaatgcct 480
actggaaact aacgacaagg acatttgc 508

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<210> 320

<211> 598

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA925541

<220>

<221> misc\_feature

<222> (1)..(598)

<223> n = a or c or g or t

<400> 320

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tttttttttt ttattttcca aacaatttta ttgaaatgtg ccaagatata tgggcagcac 60
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tcttgggaga taccagttcc cctccccccc tccagagttc cagcatttgt tgtggttaaag 180
cctctactga cctagcattt aaatggaaaa aaagaactgc aaaaataaag acaaaacaaa 240
gaaaccaaca gcataaagga aagaaacatc ttctgtctcg gatggagtct tccttcccag 300
catctaatta ggaggcgtgc tgtgcggtgg agaagcacia cttcagagtg tatggatacg 360
ggccatttgg gtttttcatc tggtaatggt tcaggaagcc caaggtctcc agggcgatcat 420
tcttggagtc nactccagc agcccagagg agctacgctc gcttttgcct gaaaataactt 480
tcacagaggt tggccgcttc actcccagtt catcgcagat ctcaaagaag ttctcctcag 540
tcacctcaa gggagcattg aagaagtgca gaacattgct aaggtgctgg atgcggtt 598

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<210> 321

<211> 499  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA925603

<400> 321  
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gagtttcaca gatcaaacag ggagatccaa gcacactcag ggttttgact aaacggatac 120  
tattactaac actgctcacg gaggcaagcc tgattctacc tccaccggaa ccacctacc 180  
tgcattctcc tgggtccatt ttgtacccta gtgtcatgac cccagcctcc ttttaagacta 240  
actatgaatg cctccaccca catctgcccc tccaatctta tcatattcct caataagaaa 300  
tatatttgat gttttttctt tacttgacga agtagagtta ttattgcaga aatgaaaact 360  
caatgaccaa ctttaatttt aaaactagaa aagaagaaaa aatgtcatca ataatgaact 420  
tgggtagagt acaacaagga gtatgagtta ttttcaaagg caacatatcc ctattttgta 480  
catatttgca tataaaagt 499

<210> 322  
<211> 457  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA925807

<400> 322  
tttttttttt tttttttcag atatgactgg gagatttatt caaaagaata tgacgtctgc 60  
actgaccccc acacaccaag agcaacgtct agactactac taattataac taagtcattt 120  
taagtggcag gtgggtatat taaaggtggt ctgttctcat agtttcacaa cacagacaat 180  
tcctagtaca cccttctatg gacaaacatg aatttgctgg tttctctttg taaaaggtga 240  
tcatgataca cataattgca ttatgaggca ggatgatgta atacgtaaga caatgttttc 300  
aagctggttt tgtagtctt gatctcacat ccatttacag ttgctttgcc atgtgatgca 360  
atgtgtccca catagacatg gacaaaacaa tacaactgcc gtcccttggc gggagacagt 420  
gggtttcaaa gatgaacctt caaacacaac aagttgt 457

<210> 323  
<211> 489  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA925869

<400> 323  
tttttttttt tttttttggt ttttgcata gatttttaat gtttacaag taattcttct 60  
gtacaatat tgttttaag taggaaatgt ttaaaaaagg aaaatttata aggcatacat 120  
ataccctctc caaatttcaa ggtttgatt ctgataatct gtacataatt tggtttaatta 180  
ctgataaagt agaaattaca gtcacgtttt taatgagaaa tgacttggga ttctctggag 240  
ctcttaattt tcttataaac cagggaccag caaacggttt ctgacgaaga tcacagtaga 300  
tacttagata cttgaggtgc tgtgggtcat gaagtctgtg ccatggccac tccaagccat 360  
aggaacaag ttccgctcca ctgcaggaag gctccataaa acattggtgt ttgaacttta 420  
gctgtcacat caggaaaagt tataaacact ggtgcttaaa cttcaggcaa ccacctcgt 480  
gccgaattc 489

<210> 324  
<211> 405

<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA925961

<400> 324  
tttttttttt tttttatggt ataatgaag tactgggttag atcgtcagtc atctctatga 60  
tttaaaagaa ataatagata actctaattg agagatagaa acggtgttcg ggcctctctt 120  
ccctagctct aagtatctat tcatataaac ctaaccttgg gctccatttt tggatacttt 180  
ctccacatat tttattagct tgtcctaccc tcttcagtat ccaacaaacg cttttacaaa 240  
agtaatacga aacacacagc tctcaacact aactgggtcaa tgggaggaga caagcagtggt 300  
ccacttagga tgacagagat tagaagtaaa aataatgtct gaaggcagag tttaacattc 360  
tataaatgta caaaagacga tagatctatg gatgaaattt ggtaa 405

<210> 325  
<211> 437  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA926109

<400> 325  
tttttttttt tttttttaca tcccaaacag gtctttttat ttaacataag gccaaagaag 60  
ctatcgggca ttgtgaaaa ctgtcaacta actgtacaaa atattgactg catgcctcgc 120  
aaacaccgga gtatctgctg gaatggaata aaaataaata acttctgcta taaacacatg 180  
aaaacatata caaccattac cccttttaac atatcgtaaa taaaaaatta ccagcacttc 240  
tacaaaataa atattaagaa accattgaca tagttgaaat gcatcatat aaattaacaa 300  
ctttaattac attacccaaa cagacatcgg ttaaggaatt gcatgaagta tgcaagggaa 360  
ctcacaaaat aaaaataaaa aaaaacaaac aaacaacatc aaccacataa cataaaaggt 420  
tttaaaacaa aacagat 437

<210> 326  
<211> 314  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA926129

<400> 326  
tttttttttt tttttttgat ataataagta tatttgagaa gccagagctc tggggatgac 60  
acgtatctca cacaggagac agaggagtca accccgagcc caattagggg aagggattta 120  
tagggaaaac tacatggcct cagttcaact ctaggccacc ctgcttctgg ggcaagctga 180  
ccctagttct tgttttcttc agaactgttg tgtcaggcct tatcgaggcc agatgggttg 240  
tggtggctat agccaggcta cctcaccaaa acatgtgatg ctattctttt gggaggtgca 300  
cttgtctctc cagc 314

<210> 327  
<211> 406  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA926193

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<400> 327
tttttttttt ttttttttact attcaagttt gtttatttat tagcttatta agccatctta 60
ctgatttgta ctgaatagtg gagaaagtat acactggaca taatatgatt ttgtgaattg 120
taaagtgatg tcagtaataa cagagtcggt gtcacagtcc ttggcattta cagtttgctt 180
tctgatcttc ctttggctgg attgaggctt gcagacagac tcctgtcctt gatgtctatc 240
ttctcatctt gatcagagtt ccatgcagaa gtttagagag gttccgtcca tcttttgctc 300
atagatttca tcaaacctct cattctgggc cacagtaaag tggtttttcc aatcaccac 360
aattcctttt ctcatgaaag gggaaatgga ctggtccatg atagtc 406

```

<210> 328

<211> 421

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA926262

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<400> 328
tttttttttt ttttttttacc ttatagcttg catatttatt gaacaaatac gactaaaata 60
gctaaaatac attgggtact tatggaagga ccacatgtta caaaagcctg cgttttcagc 120
agcgtacaac tgcaactcta cgtaaagtc acaaatgcac aataccgttt ccttgctcta 180
tttaccatagc tgatatatct accctaacag aggtgggtca attacagttt tgtgattgct 240
cccgtaccg tgactgcaca tccaccagc gccagtcacg agaggacagc ctctcacact 300
cttggtagca tccgctcagc ctacaacact gaagaagaaa gccacactca agacacaagg 360
aaaacaagtc agtccagtct agagaagaac attccgggaa acagagtacc aacaccttct 420
t 421

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<210> 329

<211> 512

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA926365

<220>

<221> misc\_feature

<222> (1)..(512)

<223> n = a or c or g or t

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<400> 329
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aattccgcct ggcccgagct cgcggctcct cagggccaaag ctataacaaa cataagggac 120
acaaagcagg gaatcatcag atttggctctc ggaggtaggg gagggaaaca gcaggaatcc 180
aaatgaggac agcctgggtg actggactgg gagggaaagg acttgggtca gtctcctggt 240
cccaccggg caagagccag ttgctcctca accttcagtg gccagaggc tgctcctggt 300
tgagcctgtg gaagaagctt ttgccaaact cgtaagtgt gatcatgat gcgcaggagg 360
gcgcagcctt gatgatcctg nggaggaaac ctgcaaagag tcccctggtg ccagattcag 420
cctggattct ccgaagcagg agccagggtg agtcaactct tggcggcttc actctcatag 480
cctccactgc tcccagtgc atttgtcgt gt 512

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<210> 330

<211> 588

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA942716

<400> 330

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agaaacaaac agacagaagg acagagttcc aacagaagaa gctaacccaa gaccaggctg 120
gacttgccgc cagggggggtt tctcctggat ggcgctgggg ccggagccac tgggctgggc 180
acaggagcag cgggcaccgg cttctcttcc acctgtgcca ggctggcttg gaagtctgtg 240
tccacatttt catgcacatc actttctccc ttgaggtcta agaaatctcc agagcttgct 300
tcagaagagt tacttctctg tgttccaggc gactccgaat cctccctgcc acctgctgac 360
ttggcccaag atgggggggtt ttcttcagggt gtcccaaaga tgttagaagc catcttggtc 420
ttcctcacgg gctgttctgt ttggtcatca aaacctaatg aaaaattgga cccaccacct 480
ggaggccgca aaacccggga gctgttctct ctgttagggg ctacaccctt gaagggtggtg 540
gcagtggtca tggcgcaaag gggcgaggta gactggccct gaaaacgc 588
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<210> 331

<211> 639

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA942726

<400> 331

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cacaatagga tgaaactgta tttattctga ctttaagtgc ccaacatctg tgaggtttct 60
gtgaggtctt gtttttttcc cagttgatgc ttttataaac attcccagct attgggccct 120
tagatgtggc tcagcggagg gaggcccagc atggccaagc ctgtgtggaa cacctcacgt 180
actgccctca aaagctgtag gcgagcaaac atctgaccaa agaggtgtgg ccgagggttc 240
cctagaatgt gtacgcggtt atagtatgag ctgaaatcca tgctgagctg caccaggaac 300
ttgcacacca tctccgtgcg aacagggatg tggagccctg gcgtgctagc caggctcaca 360
gtctggctca ggaggtccag gaaggggaagg aactgttga aaagcagcag ccactcacc 420
tgtgggagac aagagtgtct ggaagaccag cccaagcctt ctgcttgtgg ccgttcacg 480
agtaacactc acctcatcat ggagtaatga gaaatccaga ctgctcacga gcgggaaagt 540
gggatacaga ccttgttcca ttccgtgttt gtaaccctcg aagagcgtgg caaggcgggc 600
acagttatac atgacaaacg tccactctt cgtgccctt 639
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<210> 332

<211> 589

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA942731

<400> 332

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atacttgcaa gtgtttggtc tctaggactt tattctgcta gtgatgggaa aatgtgaaaa 60
caaataccct tccatgcaga acatcatgaa ggtaaaatta aaccaaataa ttatacctgt 120
atcaaaactc tttcagagtt cttagtattc gtggagggtg ctttaaaatc atatagcagt 180
tggcaaacc c atgccaatgt ccatggcttc ctatggaaat gtttggggag atacatacat 240
atatatatat atatatataa tttattgccc ctttcagaaa aatcctaata gaatatcaaa 300
tatatcccaa agttgtttct ataaataaga ctggtgggtt ctgcatgctc cagagcagat 360
ttggaaggaa ttcgaagtga aacaagttgc tcttctgat gtgactatga ggaaaggaga 420
ggccctgatt atccaagtgc tttgggctgg tacagtcact aacatcccc acttggtgta 480
aaactaggaa tgcatattat ttaaagagtt tatatacatg tggatgaacag ataattgttt 540
aattgaaaga gaaacagatg tgaacaccta atggaaatca gaacaaaa 589
```

<210> 333

<211> 452



<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA942745

<400> 333

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agtcattctct actgttcgag aatagtcagg tctgcaccag tcaagcgccc ccaacccaaa 60
tcctcccaac acgtgggtttt gttccttttt tttctttctt tctttctttc tttctttctt 120
tctttctttc tttttttttt ttttaaggcc ttcagataaa aacgaaggat gaaattgtag 180
ggggaaaatg ggcgggatgg gggcgtggct gaggaatagg gcgtggctac cgcagagccc 240
attcctcaga ctttcggtca ttttctgcc gccctttgcc cctgccaaaga gctttcctaa 300
accacttttt aaaacctaag gtcaaaacac agccactact ctctcagaga aagaagacaa 360
ggaaagggaa aaaaacaaag gtgtcctaac gtaaagcacg aaatgaagcg gggaggggga 420
gtcccatccc aaagcaaagg ggatgattgc aa 452
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<210> 334

<211> 550

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA942770

<400> 334

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cctgtctgtt tcttttagagt ggtcacttta gaaagcattg ataggcggtt gttgaacggt 120
gccacggaaa cacattcaag atgttggtgg tcttctttgc tgctgctttt gggttaaaat 180
caacatgaag cacacaaaca gaagcatagc tacatttgca gcaaaggccg ctgcaaatac 240
aaccacaaag agagggtggg ctcagcgatc catctcacag caatgcaggg agcctttgtg 300
cctcctgcac aaaattagca cattcagggg agacgtgtgc ctcacaaagg gccatgtgga 360
aagagttatt cactctcatc caaaaatgaa gacagtctga gggacaaaat tgttcatgga 420
ctctgtctcc aacgtctccc ccattcccca aacaagccaa tgctcaagac acctacaaa 480
gccatgggca aacttgacca tgagcaaaca atatgaatga gaacagaatg acgtaatgcc 540
gttgtgcctg 550
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<210> 335

<211> 503

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA942889

<400> 335

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atcggttgcca aatatctgaa gagggctgtc agaaaccctg acgatctgga agcaaggtct 60
agcatgcact tggcaagcgc cttegtggc attggcttcg gaaacgccgg tgttcatctg 120
tgccatggca tgtcttacct aatttcaggt ttagtgaaga catacaaagc caaggaatac 180
aatgtggatc accctctggg gccccatggc ctctctgtgg tgctcacctc tcccgagtg 240
ttcaccttca cagcccagat gtttccagag cggcacctgg agacggcaga aatattagga 300
gccaacattc gcaccgcaa gatccaagat gccgggcctg tggtggcaga tgccctccga 360
aaattcctat ttgacctaaa tggtgatgac ggtctcgctg cccttggtta ttctaaggat 420
gacattcctt cactggtgaa aggaacactg cccagggaaa gggtcacgaa gcttgcgccg 480
cgtgcccagt cagaggaaga ttg 503
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<210> 336

<211> 506

<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA943131

<400> 336  
aaaagatcac ataaaagttg gtaggaaggg agaagggttaa ctgtttacat gaaacctggg 60  
ttaggggcag agctgcctaa agaaatggtg gctggagcga actgcaggga catggggagt 120  
ggagatggca gccaggcct gcacagcgac acacacccat gcaaccaca gggctactgc 180  
cctgctcact ccttagacat gttcttgatg gtcttggtgct cctttatagc tcgctcccag 240  
tcaactgccg tgaattcctc ggtgaccacg ctgcgcacag tgccttcac caggcagtgg 300  
ggtgcgatac caaagccccc agggttggag cgtgggggtat agaagctctg gacaccgcat 360  
ctcttacaga aggtgtgctg ggctttgtgc gtgttaaata tgtagggtgt tatgctctca 420  
gcacccttca ggagtttgaa gcgagaagct ggaacaatga agtgtctatt ctgcttcttc 480  
ttgcaaatgc tacagttgca gtcaac 506

<210> 337  
<211> 618  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA943564

<220>  
<221> misc\_feature  
<222> (1)..(618)  
<223> n = a or c or g or t

<400> 337  
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caatctaggt gaaaagtctt gtgaatggtg gcacacacct gtgatcccg cacttgggac 180  
agtatgggga tcaggaattc aaggctcagcc ttgggtatat aagcagtgtg aggtcacttt 240  
gagtatatga tacattgctt caagaaacaa aaattcagga ctggagaga ggtccttgg 300  
ntaagagcac ttaggaggat ctgctttttt cctagtaccc acagcacttc agtaactaaa 360  
gatccagggt tccaacgctc tcttgtagcc tctgtgggca ccaggcacac acatggcaca 420  
catacacaca tgagggcaaa acggaaaata cataagtcta gacaacttca ctctgtcggg 480  
ggataaagct cccctccctc gggccagggc tagctccctc tatgcagcca tccggaaaca 540  
ccacacggca accagagtta aggagatgct tcctttggta taaatatatt atatacatcc 600  
aaaacatgac attaanat 618

<210> 338  
<211> 513  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA943730

<400> 338  
ccgctctcgc cgccgctgag gcacagcacg tcggggcgcc cgagggtgtg gaggccgctg 60  
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gcggcgcggt gcgcgacgtg gggctgtcga gcagcagcgg cgactccagt ccccgggcg 180  
gctggtggtg gcccgaccgg aagccggaca aactgacgct gtggtgcagc tttggccg 240  
gctcccgggc aaagcccagg tgcagcgctg cgcgcgcgcc aaacgctcgc aggtcccg 300

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aggcgccccc cgatggtgcg ggccgcccgt cgtctgcgtt gtggatgaaa tggcagcgcg 360
ggccgtatgg gcagaagccg atggtgtgga acgtgcggca cagctccgct ttgtacttgg 420
ggtgccgagt gaggtgctgc agctcatgga agccgtgcgc gaactggcac ttctcgccgt 480
acctgcacat gccgctctcc tcgacaggcc ggc
513

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<210> 339

<211> 642

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA943737

<400> 339

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aaaaaaatca gtttattaat gtttaaaagt tgataaagct atgtgcaaaa tgacacacca 60
aagtcaggaa cctattaaat actatTTTTT ttttaaaaaa aagacatttc ttggtttaat 120
tgcactgaaa acaatactaa aaagacagta atatatTTTT attctctgta tcattttacat 180
ccagggtcaa tacctaagga caactgaaga aaagaatttc tgatgttccc tgtcagttaa 240
agtaatgctt ttttgggtac aaaggaggc attttcttaa gaactacaca ttcaatgggtg 300
ttaacacagg ttaggaagaa attcaataaa atgacctcaa agaagcaagt acattcgaaa 360
atcagaaact gctctttaa caaaatacaa ccagttgggt gacacagatc acacaacact 420
ctgaaataac caataaaagt gccaaagatg ctctgtaggg ttagagaaag acatcaagca 480
acagctcttg ttttacacaa gtaaccctca gatttcacct cattttTTTT ctttaccat 540
atctcctaag atcctggtca atataattac aaatagagta gacttcgtta cttccattac 600
aaacacatgt ccaatgtggt tgtaatggaa ataaggaaca ca
642

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<210> 340

<211> 557

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA943785

<400> 340

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aaacaagatc ataaataaca aagaacaaag tcggtcccag actctggacc gtgcagcagg 60
acaggggtag gaagttgttg ggtgaaaaga cagaagaggg ctacacagtc acctaagaca 120
gtcacagaaa gatgggcttc aggaggctgc cctgccccta cccgtgagca gcagagggag 180
gccccagtgc tgtgctggga cagctggatg agggcaaaga ctggggatgc tagtccatga 240
tgtttctaca gagtgacatg gaaaccacaa gtggatcaag aagctgtggg tctagaagag 300
gcaagcgggc acttggcaca cctccaggaa ccaactatga aaatgttaaa ttcaatcctt 360
aaaaacaatt ccacagaatt tagcctgtgg ctttgtgcat gggctgtgtt taacctgggt 420
tgctctgtgg cagatgaggg ctcatgaggg ccttgagagca gcctggcctc agcccaaggc 480
aggtgcccag acatgtggga gtgggacagt gggctcgccc agatgggaag ccatgtgctt 540
ggactggctg gacctgg
557

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<210> 341

<211> 554

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA943791

<400> 341

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aatacatcga tttgcagttt tacagggacc agagagctcc tcggtactac cgtatTTTT 60
gttgcacgca cagacacgca cacaatgtca ttagtagttt ctcattctta cacttttctt 120

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taaaaaaaaaa aaaaactctc atgtgacaca gaaatctttc ccattacttt aacacagcag 180  
caacagagaa aagagcaagg tgtggaggct tccagtgcag aatgggggtcc ctgggtggga 240  
gaccccaag accatcgggtg tatttacttt ctgggagggc agaggatggt gatggagtgt 300  
tgtctacagt ggaaaccaag gattcaaaat gtacaggggc aaagaaactt aagaaaatgg 360  
agtaaggcat tctatctatg gaaatctgta agtcatttcc caaaaggatt ggggaagagga 420  
cccattccta attttacagt cagaactttg ggaccattga acaccttgaa gtccccagct 480  
cctacttcct tacaataggg cagagctgag aactgaacga atcttggatg ccagttttca 540  
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<210> 342

<211> 480

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA943800

<400> 342

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gcagacaaga ggggactctc tcccaaggca gccaggagga gggactctcc tcacagggtca 180  
gagcttgagc ataggacctc aaagcccac tccacagtga ctacttcct ctaacaagcc 240  
atacctccta atagtgcct tggatctctg aagttatgct ccatacttcc tgccccagct 300  
ccagcggta gctctttatc aatcaaaaag ccacattcca gcttgaacca atcagtagca 360  
tgacagcgcc caatcaatct cttagggttg ccttttggca ctgaggactg cttgaccttc 420  
accatggcag cttgcctttt aatatgatag tctcagaaaa tctttctggg gtggtgggaa 480

<210> 343

<211> 615

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA943886

<400> 343

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tattcaaaaa taaccaaaaa aaaaaaatat gtatggccat agttcacagt taagcagcca 180  
aacaaaagct gctctgattg tagcctttca acagcgaggg agcttctctc cttctccctc 240  
cccttcagga agtttattca cagttccaag tcttccaact gaaaacactc tccacagaga 300  
gaacttcaga gtcaatgcgt ctgtctgcaa aattgtccga taaactttgt aaagacaggt 360  
atctcaagga aaactgtact tggctccaca cttaagattg cccaaagtca actgtccacc 420  
ttaggctggg ctggttcag cagtcagca ggccacagac gactcgtatt cgtaccagca 480  
cctgtctgat ttctctaaca tgctccgcta tccctccact ggcttccctg ttgatctcac 540  
agtggaaaag agccccacg aggtccgctc taaaagaggt ttttcagtta catctctgca 600  
agagcatggt caggg 615

<210> 344

<211> 512

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA943892

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<400> 344
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ttttttttta tttcacaac agttgttttg tccatttttt ttttccagga tggcagtcct 120
cctatacaga gtgccagctc ctggctctca ccccagtgtc caaacaacc cacaccccag 180
gaggctgtctg ctcatcattt attctcagtt agcgccatct ccaaggagac ggcctctgcc 240
ttgctggaag gagtgcaggg aagccaaggg tgaaggcact gatttttgcc caggatagct 300
ctctgacgct ggccttgtct ccatggctac acaggaggca tcacaccaca ttttgggggt 360
tatccactct gccagaaaag tgcatagcac ctgagtcccg ctcgtagatg gcgaacagga 420
acggactgct cagggtcacg tccaacacct cgggtgagcc aggctgctgg gcagactcag 480
tgggcagctc ctctcgcct gcttgagtt ca 512

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<210> 345

<211> 114

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA943896

<400> 345

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aggaggtgca ggcacaagga cagacagaca ggtaacacat gggctattct aagc 114

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<210> 346

<211> 554

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA944011

<400> 346

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acatgagcgg cttcgctgc ccgcactgcg ctgagtgcac caatgtcttc tccagcggcg 120
gtggggagga gctggcccgg ctggctggcg ttcctttttt aggttctgtt cccctggatc 180
cccagcttac caggagcttg gaggaggggc gtgacttcat ccaggaattt cccaaaagca 240
ccgcatattc cgcactcaca tccatagctc ataaagttct gcaccagatg cctgctctgt 300
gctcctgaca gcctcgcagc cagggtcaaca ggttgctcta acagccacac cacacaggag 360
ctggcccttt ctcaccccga ctgaccctga gtgccacac atgctgtgct gtgagccttt 420
tgtgacacag tgtggtttac agttacatct ggtgacttta cagaactcca ctgttaaaca 480
tatcacccat cttgtgagga acccagcatc caaacaacc ctgtcctcag tgagatagct 540
cttgactccc taca 554

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<210> 347

<211> 636

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA944077

<220>

<221> misc\_feature

<222> (1)..(636)

<223> n = a or c or g or t

<400> 347

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agcacaggca gctagatgag acctcttcca aactgacaga tctcgggaga gccggggctg 180
ggcacctttc ttcagtcagc aatgaagtcc agaagaatat tcacgacttt gatgggtcca 240
gaatttttaa tgaaagcaag actggttgctc agatctattc agataagcag cagatttttag 300
gattttttta ttactgattt tgttactagt ttttttttta tcagccactc tcctatctcc 360
acactgtact cttcaccttg actggcctac tgctgaagg tggagaccac gccctgtcca 420
tttaggattc gccattcct gtctcttcca actcaaccaa ccactcgatt aatctttcct 480
tgcttgagat cagttgaaag cactggagtg cagggaggag agggaagggc caggctgggc 540
tgccaggttc aggtctcctg tgcactgaag gccacacana caccatgaga aggacctcgg 600
aggctgagaa cttactgctg aagacacgga cactcc 636

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<210> 348

<211> 604

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA944157

<400> 348

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tgtgtctctca actgctaata ataaacgtta taactgattc gatcactatg aaaaccatt 180
ttgcaaatgg ctgttcctgt ttagaaaaat tcatatagct ataaaaatgg actaaaccca 240
ctttaactcct aacctacaaa tagactatta acagcaata taactggtag cctctcaaca 300
ctgtaacaac tgggtgcagc ataatgtaca caatgcaaat agaaaagaaa acagtaaaac 360
ccgaggggaag tcgattcttt tagcaataag gactattact ctgatgcttt ggaaaagtga 420
acactcatac ttcaaagtct gagtggttaag gctgaccgtc tctccctctc acatgtggaa 480
ggcaattccc tcgtgattt tgaagcatgt gcacaaccac tgtacaacag tcacttcaag 540
gttaaccagt tgtcttttgt cctacagagt ccaaaaaata tattaaccct ttccttttta 600
gaat 604

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<210> 349

<211> 686

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA944158

<400> 349

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agatgaatgc agtgtttctc aaagatatcc aatcttaagc atgactggag gaatcgcaa 120
cagatttagg cttagtagaa aagaagaacg tatactttgg agctggggat gtagctaaat 180
ggttgagcaa tatgtgaagc cctgggtttg aatttttaaca ctgaaggata aaaaaagaag 240
aaaaaaaaag ccccatgttt taaaaccctt accaatcagg caatgtggga accatgccag 300
ttacagagcc cctggacagg gcaccagact acctaacaat gagacatttg actgggagta 360
agacgttatc tacagaacac agttttattt aagtccaaaa cacaaaacca cttcctttta 420
aaaaacaaaa aatgtattgt ttttactgca cgaatacctg gggcttctca caaatgcaga 480
ttatcaacct tcaggctcaa tggttcagat acacgaattt actacatcag aggagatata 540
tataaaaaac acgtctttca acgtcaccta tttggggctt ttctctgtaa gcgcaatttg 600
tcctcgacca agaatccatc ataatgaagt caaaacctga cctaagcagg ctttgaaata 660
gaaccttttc aactaacaag aaaggg 686

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<210> 350

<211> 587

<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA944165

<400> 350  
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cagaaaagaa tcaatctcag gaggagcca cactgcttcc ggaagcaggc ccgtgggggtg 120  
gtagtgtcat ggggtggcagg aacaaggcct ttagcttgcc tgacaggctg gcaatctcag 180  
gatcctgggc ttcgtaagac ttgaccaggc gggcaaactt aaggagacct tccccgtcgc 240  
agctgaagcc ataggcttta ataacctcct gctggatctg tgtggctaca ggcagcacga 300  
attgcagcat cttgcccata tcgttgacg cattgtctct agcctcgtcc atacgcacgg 360  
cgttctctgg ggccgagaac gcttgatca cctccgccaa gaccaccttg gectgctctg 420  
cgctcagagc cgcaggctga gccgaggcgg acgccatagg acgccactcg gtgcttgaat 480  
agtgtgaaca ctgagatccg gaggagcctg cagccagccg cctccccccac ggctgcggaac 540  
tagtggaggc agaaaggaag ctgtattgca cgaggcggaa gttcccg 587

<210> 351  
<211> 511  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA944269

<400> 351  
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acaaaagaaa tctgagacac gaaacaaaaa aaatacattc tcgagaattg aaataaaaag 120  
gtatctcact tactacaaaa tcgttatctt aatgtattaa gcagtctttt gattcagatg 180  
cagcacgaga ctgagttatt cattatcagg tcagaccgaa actcacagac taaaggaagg 240  
accacagcat gacccaatgg tcgcaggaag ggatgatgtg agtggagggtg gagcaatggc 300  
catgaggtat caccataaat aaactcacta gctcatcagc atccagcagt gagcagatcc 360  
accacttcag ctggcctcct tggacgactt gcaatgaggt tcttcacatt cacagagcag 420  
aactcatagt tccaaaagcg gtttctcact gtcctgtttt tcctcagctt catcttcaga 480  
tcctgcttca gactcgggag gggagtaaaa c 511

<210> 352  
<211> 486  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA944289

<400> 352  
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caaggaacaa aacaagaccc agtaggcaga agtcatagga aagcagaacc caatccttgt 120  
aagaatttct aacaattaga cagtagaagc aatgccttct ggaggtaacg gtgaccacgc 180  
accaggtgc atgggtagag gctggcatct ataccctgga aaccttaaaa aggaaatcta 240  
cccaggactt tcctgcagc caacccccca gctagtcttt cacataaccc ctgaagctct 300  
gaaaagagtt ggggagggtc aggggtttta acaaaatcac caggaaggcg tatatttggg 360  
gaagagcggg cagataaaaa gccaggcagg taaaggagta aataaatgcc ctgggaggat 420  
aatatgcaca aaagagatgg aattgctaac tgtggatggg tcgctacaca tccgggggtac 480  
ctccgc 486

<210> 353

<211> 459  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AA944304

<400> 353  
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gttagaaatt gattaagtgt acagagatcc aaaaagaaag attcaaagca tagcaaagaa 120  
agatcgacgt agactccaga tggaaagtga tttgaaagag cacagtgggt gcctgcaggg 180  
actaccagag gctacgggtgc tgtctccttt acaaagggcc ttccgcaagc taacgggcgt 240  
ttccctggag tggaggggaa ggtggtttca cttggtttca ttcacaaact atttggtcaa 300  
agaaataagt aaagctaaat gaaagcacat ctggtagaaa tctgcagtcg tgagcgttgt 360  
caagatgtgc ttggctctcg cagcacctgg cagtgggcag caggacacag gtcggaagct 420  
caggggctct ctgtcgtctg ttctggaggt ggatccgtg 459

<210> 354  
<211> 539  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AA944380

<400> 354  
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ggtaaaatta gactaccctg ctctgtcttt ttttttccag ttctgaaaga cttatagtgt 120  
tcaaggtgaa aaattggcta ctggaaacca ggtaaggccc tcacaatcac ggtgtacgaa 180  
atatattcac acctgtcaga taccactcgc taatgctgct gttctgagca taagctcatg 240  
caaaaacctc gtgtatgttc ttttgggttt cgggtgacttc acaatttgct ggaagaacat 300  
ctatgaagaa aggtcttctc acaagatggg atcaggtcat ggagatcaaa ttcgggtctcg 360  
aaggaaggac ttttttcaaa aataattaag gcagccagca cagccaattt tgaggtcatt 420  
cccttgatga ggtacttcca gccagtctca aggtctgtgt attcaaagca atgcaaaaca 480  
aaatggtaac cagaatgtgt gaagtgactc tggtagtaga cttggggaca gaggaata 539

<210> 355  
<211> 542  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AA944397

<400> 355  
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cagtttggtc ttcttttaga tgcaagataa cctttgttcc acgaccatt ggttcacctg 180  
tgtctgtcct cacagtgaag gatcctccag ctgaggactc ccaggcgtac tgctcgtcat 240  
cattatgctt ggtgatgaca gtcactttct cagcaaccaa atacgcagag taaaaaccaa 300  
cacaaactg gccaatcata gagatatctg caccagcctg caaagcctcc atgaaggctt 360  
tggtgcctga cttggcaata gtgccaaggt tattgatcaa gtcagccttg gtcattccaa 420  
tgccagtatc cacaatagtg agggttcggg cttgcttgtt gggaatgaga ttaatgtgca 480  
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ga 542

<210> 356



<211> 534  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA944401

<400> 356  
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ctgggggctc tgggcaccca gaatccccga ggtctcatct tgacacctgg gcagtgaggt 180  
ctttcctcac tgggtgcagc ttcgtacctg gacagtgggc agctcagcag gggccaccat 240  
tgcccttctt aataagccac taaagccctc ttcaggctcc actctgcagg gggatgggat 300  
aggccaggct gtggtgatgt cttctctaata gcctagactg gtagtgtaga ttctgaaggg 360  
ctcctgtggg cttctctggg gaaggagca ggggaattcc atggaagcag ccttacacca 420  
ggtcaattag gtcgcatcag gtcagctcgt cgggggcccc aggtctcagt aaagtcatag 480  
tcggtagcaa gatgggaaga aggcagaacc agtcaggatc ccagtggagg gttt 534

<210> 357  
<211> 636  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA944413

<220>  
<221> misc\_feature  
<222> (1)..(636)  
<223> n = a or c or g or t

<400> 357  
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acaatttcaa ataaaatctt gtaaaacaaa attttacaaa aatcttacia agattcttta 180  
gataacaggg tgcttcaaaa aaaaaagaaa taaagaaatt tctaataag aaattttttt 240  
tttaaatttc aagcaaaagt ttctgcttga ttgaggctca gctgtcacct gaacagaatg 300  
tactcgctta ttattaaaat tacaggcatt gacacatacg gcaccagcc ccaccagtc 360  
caacaacatc tatgtgtttc ataagtgaga caagccagca caagtcctcc ttctctcttg 420  
tttaccttct tacttaatgg aattgttgtg gataagcaca cagcagggcc aaaaaaagga 480  
gttttccaaa acccagcaaa tcaagtgcta ggattttgaa ttgccaaaca aaagtgcatt 540  
ttccccttaa gcaaaacgaa accagttccg tagagaaatg tattcgtcag gccagatacg 600  
acaaaacaac acaacaacaa caacaagana aaaaca 636

<210> 358  
<211> 599  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA944572

<400> 358  
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catgcttttt caatttcagt acaatggatc caagaccaag aatacagtta caggcgacaa 180  
ggctagatta caaattatca tagtcatcat catcatcatc atcgtcatca tcttcttctt 240

cacgttttct tttgagtgcg tttgccgact cattggctgt attttgtgac accatattag 300  
tagtaataag aatgtttttg gacccaatta atgatggatt aataagaaca ttctgaactg 360  
ctgggtgttg aggaatggaa gcttttacag caggggactg agaagcaggc atctgtactg 420  
taaacctctg ccctgtgagg gacattggag tgcctacttt agttgacaca gacatggctt 480  
gtggagttgg tgtgcctagt gtgggagtag taggtctact agaaactgaa ccaacactta 540  
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<210> 359

<211> 491

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA944823

<400> 359

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tgaaacgctg tgactgttaa atacctgctc tacaggaaca cttttataac agtggttcagc 180  
tgcttgactg aaaggatgca tatatttcca cactgtttta cacttataaa ttaattcaca 240  
ggattcatag tattacttta tagctccaaa tgggtattag caaaaaataa tacaaaatga 300  
ctcctctttc aagcaacacc atctgcctca agtaaaacat attaaactac aacttgttag 360  
tacacaagat ttctgtttt attatcctgg gacatctcgt gctgtgggct actgctgttg 420  
cttcattcat gtacttaact cttacctcca aagactggaa tgtcttttgc aaggaatatg 480  
tacacaggca a 491

<210> 360

<211> 476

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA944898

<400> 360

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atataactac acgaagtggg aaaaaatagt acaactgcat ttgctgatga tatgtcctca 180  
ggaaaaagga agtgaataa attaacaaac tatgatcatc atcaccttta catacacaca 240  
aaaaggacac aggagactta ttaaagggtt ctatgatgtc tggaatcttc tactctaaaa 300  
gctttagaga tttgagtttc gaaaacacca ttgcatgaac ttccagaaaa catatcattc 360  
ttcacatcag cttcagtata tcagcaagca cgtttgtcat atacaaggta acagctgtga 420  
tgcctaagaa aatacatccc catttatagc ttgattgtgc tctgtgtatt aaacac 476

<210> 361

<211> 409

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA944943

<400> 361

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cattgtaaat ttagatcagc taaaacattt tctctaata ctaggattca ttatcctcca 180  
gtgaggtaag gtgacgtttg ctttgtaaga ggagatgtgt ggacaagctc tgggtgtggaa 240

gagaatgagc gctgctggcc ttctccactc ctttcttcgg ataggccctc ttgttcggat 300  
gaggtgggccc aggaaggcgg ggcctggctt tcagaaagca actcagtggg ttgtggaggg 360  
agagtgcgtt cagctgcagg gacctcactg gatgaagata gctcaatgg 409

<210> 362

<211> 344

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA944956

<400> 362

gaacggcttg ctttattaga aacaaggag atgtctggag tggaacagtg catttggtat 60  
ctctgcccc accccagcaa gaaagcccc agcacagccc aaagaaaagc caaccagaaa 120  
aagtgaagct ctcacgcccc cagatgcagc acctgatggc cacagtgaac actgtagttt 180  
aattcagtga aaaccgtcct agatctcctc agatacagtc tgtaggccca cccgccgtca 240  
ctctgcaacg agacgcaacg ggtctctggt tcaacaccag gcagacaagg ggcttccaca 300  
ttccaggccc acccaagaag gaaaggctcg agtactttgt tctt 344

<210> 363

<211> 453

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA944958

<400> 363

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tccagatggc caggacagca gcttcaagta gacctgcgt ccatttacca gaggatgttg 180  
ttcttggttc tgaccattc ttctcttttg cttcatctcc agggcacaag agctgacagg 240  
ttcagaaagc ttctctagtc cttcttgctc agatcagtta gccggatagc ggggtgttgta 300  
gactgtgtag acgtgtccc actggtcagc tctgctgcca cagcccagaa gaggcttatt 360  
cacgaggcag ggtctctcag ccaaaaccca gagctaactg atatggatag tctcctgccg 420  
tggtgctctg gaggtccttg tcttcatctt ctg 453

<210> 364

<211> 444

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA945031

<220>

<221> misc\_feature

<222> (1)..(444)

<223> n = a or c or g or t

<400> 364

gaggatgcct catctttaat ggctgacagg ggagagggga gatacaggag gtaggcaggg 60  
ccctcacagg gacctcctgt ccctgaggtc gtgaggcttg tcacctttgt ctattcctgc 120  
ctaaacccca gagctgtccc tgtccacttt catgtatgct aaggacctct ccctggcagt 180  
cccagctgcc cagcccagtg tgtgtgaagt accctgcacg tgcctttatg aaccagttgt 240  
tggaacagggt tgtcatctgc ctgcaatccc agcactttct ctatagagga aagagggtaa 300

ggagttcaag gccagcctca gctacgtggc aaattcaaag gccgcctttg gttaccccag 360  
 atcttgccta atcagccgca ctgccctcag cccgngggtt ggggagggga gaaccacttg 420  
 ttgattttct ttcacactct tttc 444

<210> 365  
 <211> 456  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA945052

<400> 365  
 cctccactta taaacaaaca cacgtttgca tggttggata ttagaaaatt aaaccttta 60  
 ttacataagc tgttttcaag aatcacgtac agagatttcc cagagacgct ggagttggca 120  
 gtcggccacc gcagtagatt gagcccacca tttcagcaaa ggcgctgctg tcctcagagg 180  
 tagaacatgg gacccgcggt cgtggcacat ggatgtcagc tctgctggct agtggactca 240  
 cccagggcca gcccaagcag tgcttaggca cgcagctctg gggagctggc cggggcgtgc 300  
 tggcagctct agcccttcta tgtaggagag ggacctctgt gaggccggct catttgcctt 360  
 cattccattt ccccatccag gaatcatgtt ctaaatatcc aggtcgacac atcttatgaa 420  
 gttggttggt ctttatctga tattccaatc gccag 456

<210> 366  
 <211> 664  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA945076

<400> 366  
 aaaagctact taattttaat actccacaag aaaattttta aaagacttga cgctcttgac 60  
 gttgggcatg gtggcatatg tctttaattc cagcagttgg aagaaacaga ggcaggcaga 120  
 actctatgaa ttcaaggcca gcttgggtata catagttagt tgcaggacag gcaggactac 180  
 atagcaagac cctgcttcaa aaaaacaaga ataccagtga agaagcatta atgcactatt 240  
 tgttttatgg atcaattgga gaacaaaatg tggagatgtt ggcacacca tgaaagagca 300  
 atagtgttag cagtcgtgtt cagacctcct tgactaactc aggtagacag aggtgaggcg 360  
 aaagatgaag cctacagata tgttgggtctc agctagagag actctactga taatggcctt 420  
 gggcctcgac aatggatttt ctgaaaatgc tgaggtagaa actgtttagt ctgttctatc 480  
 tgaatggtta aagggtgttta tcattccaga aaccacttct gctgctaatt atctcctcgg 540  
 tgcagtgtga caagtgttaa aagggtgactt gtgtctgctg aaacatctct gtttactgaa 600  
 ctttcatctg gaaatgagaa atgcgaataa gaaataagag gtaaatttaa ttttaagtaa 660  
 tttta 664

<210> 367  
 <211> 648  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA945090

<400> 367  
 aggcaagcaa aaggacattt tatagtttag agatagaact tagcaatgta caacaaaatg 60  
 tctctgaacc taataaattc cagtagcttt ttaaaaagac cagaatctaa gaactaaaac 120  
 tgaatctatt caaaataagt cttaatggct ttgtataaaa atagaaatga aaatacactt 180  
 ttgtatgaat gggcttttat ttttaactga gggcctttca accccaaca tctcagtaat 240

```

gcatgaagga agtaactggg ggattctaga gcctcctggg ctccctacga attgcccagt 300
tccgtccacc accccatatg aatttttttag agtaaacata ataaatttgc atgaaaatga 360
aggactagca gttgctgcct tgagtacttc ctaaaaagta agattgctga tgctgttatt 420
tcctatgtat gatacgtgta tctgggcaag ttgactgaat actcctaaac cctggcaaaa 480
tgctatcctg tggtttaata tcatacaatg acctgatgaa agtaacactt cccctcccca 540
acagccaaac ctttgacatc tgtgacaacc agtgaagaaa gactacctag ggctccagtc 600
aaatcctgga ggttacagga gtacagaagc tatatctgct gatacaag 648

```

<210> 368

<211> 705

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945123

<400> 368

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ctggacaaga atttttaaagc tttattcacc atggacccca caaaatatat acttgacact 60
gaatgtgact ataaatgaga agtgagaaaa taaaaatgat tcaaggggaa ttaggaagtc 120
aacacttact ttaaaatggg aatgaagaga cagagttcaa aaataaaata actttgcatg 180
gtcccaagtg gactagacac attcctttca aacacagtga gtgccacaaa acagccagac 240
atattcagac atgcatata tagctagaaa tccaccttca aagaaatagg gtgttaaaaa 300
atgaaaagtc tctagaaaaa tcacaaatta ccaccatccg tttcaattct atcgggtgct 360
attttctcaa cacggcaaat ccaaacccca tgtttctctg ggcatttccg gcatttcaaa 420
gcccagcgca cactgtaaga gccactgtct taaggaaatc taaacagaag acaggttaat 480
aaacagtgag gtcagtgtct tttacttcgg catgctacct ccaatctcac cagaggatat 540
cttttggttc cctcacttt agcctgccag gggatgacgt tgcccaaca cattttcaat 600
gttttctttt taacagttaa tataattcca ggatgcaagt ccatttcttt ctagaagggt 660
cctaggacac ccattgaaaa gtcaaaagca atgaaaggaa aaggg 705

```

<210> 369

<211> 352

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945238

<400> 369

```

aaaataaagc cagtttttatt ataaaaactt taaaatgtga tgtaaaagac agtcatggga 60
acactgtata agaagaaata ctgtgaggaa gttaaagggtc acaagtaaat tttacattgt 120
ccgtgaagtt taaaaataat ctttatagta aagtgtcttc agagcaccat catttgaaca 180
gaagatattt tacatatcag agttcatctt tggccttttt cctatggcat gtgcaaggga 240
agaggtcac ctcagactgt ggctctaccc tcttcatacc ctctcgaatt tgagggtcac 300
tcacttgtaa attggcatag ccctggaaca gcttgaagta ataacagaat at 352

```

<210> 370

<211> 300

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945533

<400> 370

```

aggaacagaa aagcatttca aaaggccatt ttaatgcaaa caaaatattt taacacatag 60
caataaagca agttcaactt ctatcatcca ccacactaga tctgatcaca caagaaaata 120

```

```

cagtgtcaac agatatctgt cccattcact caaccttaat tttagatatt tggggagatt 180
gtagatagat agatagatag atagatagat agatagatag atagatagat aatagataga 240
cagatacata gatggataga tagatgatag atagatagat agatagatag atagatagat 300

```

```

<210> 371
<211> 505
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA945591

```

```

<220>
<221> misc_feature
<222> (1)..(505)
<223> n = a or c or g or t

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<400> 371
gtaataaaaa ttagtttatt gaacagggtg gggccagctg tggtcgtata cacctttaat 60
accagcgctc aggaggcaga ggcaagtgga tctctgggag ttccaggcca gccagggata 120
catagtggga cggctctcaa aattatttga acagggtactt gagacatgtg agatgatgat 180
gtggacagat atgactagca ccctcagggtc ctccccaggg tacagcaaaa ataatcaca 240
accaacattc tttaatcaga aaggcacttg agggccccta cagagtctta cacaagagca 300
gccctgcgga ttcccactca gccaccctcc cttcccctcc ggctcagagt tcatcgtgac 360
ctgtggaggg atctgctccg ggcttgatga agattccttc catggccttc cacgtgttgt 420
gtgcattggc actangcatg ccatgcacct catgctgccc acggattggg ttaccatact 480
gttcaacagt aactgacagg aacac                                     505

```

```

<210> 372
<211> 556
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA945596

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```

<400> 372
cagtccccag aacttaaaaa tcggaaacat aaaactccct ggccctccag gcagcaggca 60
gatcagagcc cgcccatcag agtgacgctg agtcggaatc agaatttgtt ccacactgat 120
ggcacgtctg ttagaatgca cgtttcttca ggagcaggac gtgttccagt ttctgggaat 180
ttgagaagat ctggcctctg tctctgctta cagggtatgcc gtgggatcac tggagtcaca 240
gttttcaatg tgtacatgcg actgtatgcc agggtaaact ttctgcaggg gcagcaagggt 300
gccagcttc gctcccttcc tgatagagcc cttatactta attggcttaa tgtagaaaat 360
tttgacgcag aaacctcttc ccgacagtcg gacgccatca ttgatggcgt ttttgtttct 420
atagggtttc tcctggccca ctatcttccc cgtgaatggc gcataacca cagatccatc 480
tgagcacagg acgtccacac ctggatgatg cctttgggtt ctttgagtaa agtactgtcc 540
acagccatag ctgtca                                     556

```

```

<210> 373
<211> 615
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA945601

```

<400> 373  
aaaacaagtt tattttattga aagaatctga aaatagtaat aaggccttca ttaacaatta 60  
acaaaatttt aagatattaa caatatgaaa cattaagaat ttacgtgaaa attccatgtg 120  
tttgagatca gtctggtggc agctgcttct gtacttgtca acactcgctt tttagatgca 180  
tggaactatgc ttcagacctt gctctcctct ggatcatagc agagcctgct gtgcgcagtc 240  
acagatgaac agcacaggtg aaccgtgggg atgagccacc atggcctaac agcactcaag 300  
ccagaccact tggggctgca cgggtgcccc gtaggtccca actttaacag gtagaagaaa 360  
gctcagagta gtcggttcta tagcagctga caaaccttcc ctagaagcat gagacaaaag 420  
cctgacttca cctggaaagc cagtcaaaga acaggcagtc ctccctactc ctgccgtaag 480  
aggtgagcac aaaactgaaa gcggatacct agctgaggtg ctggggccga ccactgacct 540  
cacaaaggct ccagggccag tgtggcactc acgtgcgtta cttgcactac atacatgtgt 600  
tgcacacagg ctcca 615

<210> 374

<211> 520

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945704

<400> 374  
caggttttagc atcagtccttt aatgctgtca cactgcataa tgacaagtca cacacttttg 60  
tcttgtgttg gtagtggcaa cttacaatga gtcgaatggc cagagcacca ggctagctcc 120  
aaagaacaga tccattccct ccccaggtct gactcatcac agccctggac aggcagtagt 180  
tgacagggac tgctttcatc caagtgcaca ccagctttgc atggaattat aaaaacatat 240  
ttacatacgt tccacgggtgc tcctttcatc agaagcaaag gcccttttat caaaagggat 300  
tatatctagg gctgtgcaa attcaaaagg actgtatcct tttgagaaag ttgagtccat 360  
tacacacaca catcacaca cacaaaaaaa gtcacctgca cctctgagaa gtgccaggtg 420  
tggccaaggg ctacctctgg accagcaagt actgtgactg taaggcagcc atctgatttc 480  
aagagagcca caggtccagg ggatctcctg gctgtccagg 520

<210> 375

<211> 594

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945708

<400> 375  
aattcattta ttaaattcac ttactagttt attaaagtct ttaaagagag gaataaagac 60  
atcgccattt attttgcaa gtatttcttt aattgctgca agaattttgt gagaaattca 120  
atcactctgt actccaggga agatgagtga aagtgaatgt taacttacia ttttaattat 180  
ctcataaaac cttaaataaag attttaagtc gatacaacat gagttctttt aagtgaccag 240  
aacatcttga atatgtttta cagatgtttc tatgagcaaa ttaaaacaca aagaaaatta 300  
aaatagattc acattaaaat atctaaacag taagtgtaac actgtgagta ctagtaaaact 360  
ctacatagtt tgttatattt gaacaaacac taaactccag gatggacgac ttattaacaa 420  
aaacatacat aagtcacttc taaaaatgac aaatccaact tttaaatgct aaaaattccc 480  
ccaagttagt ttttaggcac cagagaagtt ttctttcaaa aatttcaggt tttttttccc 540  
acaagcaaag tagaaatatt aattgggact tcagctttag agaaatttag ctcc 594

<210> 376

<211> 591

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945751

<400> 376

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ggtgatagag aaatacattt tattaccaag ttttaagaat atttacaaaa gtgggatgta 60
acaaaaaata taaaatgtac taaacagtgt cattatacac tactttgaaa attgtcacat 120
gtttctaaga aacaattact ttttatgcaa acacagcttg gctttaagac aatgacaaaa 180
gttatgcagg ttacacagtg gagtattact caactcccaa ctacgacagt gcctttacag 240
tctctcttta aacagcatag ggcttcaatg aaaacagagt gcaattaatg tcatggcttg 300
taaagtctga ttacagaggt acagcaaccc agcagtcact ccagttagtt tccacacaca 360
cagtaaagcc acagtgggct agtgacacac actagctcca tcttgtagat actgggtcaag 420
caaactcagc agaaatgaaa aatccattct tacaagtttt ttaaaattac tcttcacaac 480
tgctgtatga aaacaaccac agagacagtt tggaaagtct tctggaaatg cttacagata 540
tacagtacat tgccaatggc tgggacgggt gaaggacat gaaggcctcg g 591
```

<210> 377

<211> 489

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945879

<400> 377

```
aatgaaaaag taaatattcc acttttaaatt tcagttacaa tttcaagggg gagataaatt 60
catacactaa ctttatgtac agaaacaagt taaactctga aatggggaaa tagttacttt 120
tagtctcact ctctcatcaa tactgacgtc agacaggag actttcagat ggggtgctct 180
gtcttcaggt gtgttcggtt gcatggtttc atccttagca atctccattc atcaagatgg 240
gactgggagc aagccagcct ccatgtctag acacaaacct ttcgcagctt ccttcctctc 300
gcctgtctcc taggaaggag cagtccccac ccgcatgatt ctgaagagtg tgttgatgtt 360
gttactgcga atcgcatccc gacaagcact gatcacctgg ttctttggct ttccaactcg 420
cagacggcct gccctctgga ttgcttggtt caccgccttc aggtttccta acagttcaat 480
gtggatgtt 489
```

<210> 378

<211> 596

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA945904

<400> 378

```
cttggtacta actttattag ttattttttt cattgctgtg cccaaattct tgacaagaag 60
gatttattcc agtttacagt ttgaggaaca tagataggca ggcagttttt ttatgccaat 120
gtatgagata caattttgaa gccagagaca tggctcagaa ggtaagggca cttactgggc 180
aaatctaacc acctgagttt aatacctgag tcccacagtg ggaataaaga accaactctg 240
taaagttgtc ctcttacctc cacacataca taccatggca cacatatgcc cacacgcaaa 300
aaacacacat atgtgcacaa taataataaa aataataaaa agaaaagccc tttaaaacaa 360
ttttgaagca taaaggaaaa atgcccttat ttatttaact taaatttctt accccttaag 420
tattcacatt aatacatctt atagtacatg tgaaatatga caacatgtga gttatgcaaa 480
gtatactaga ttaaagagca agtcaaatag caaaggacct aacaattttg gaaatgctac 540
tcaatcctct ctttttctgc ttatttgatc tgggcaaagt ataaatgcct ggaaac 596
```

<210> 379

<211> 560

<212> DNA



<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA946011

<400> 379

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agatcaaata atttattgtg atattgggag taaatagata ttttattaac aaaacaaaaa 60
tgatggataa cagaagcaat aagtgaaggt ggtaatactg cccatgacca taacctcatg 120
gtcagaaaacc cagttctaaa gaacagctgc tgggtgtcact ttattgcatt caaccttgga 180
aaggttggtt gtgggattga agtgactcac cgggaccctc tcacccaac tggacacacc 240
tcttgctgcc tcctttgggtg tataggaaga caggtgggct tctccttgag gacactgaag 300
tcacacagca aagtagcttc ttgccctcaa tgcccacctc acctccagag cgctgagctc 360
cgcatgggag cagaacagca aggatgagtg tcttgctttc aaaagctttg ggcagacaca 420
aagacaatct atctcatctc agaattgttt tcctcaagaa gtctcatgta tccttggtg 480
gcctcaaccc tgccaggtaa ctgatggtga ccttgaatgc ctgatcctcc ataacacttt 540
ttcccaaggc tttcacctgg                                     560
```

<210> 380

<211> 630

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA946034

<220>

<221> misc\_feature

<222> (1)..(630)

<223> n = a or c or g or t

<400> 380

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gaatgccaaag cgggtctgtac tttcttttat tatcaccata gtctttgcat caagatacac 60
agcagtgata gcaggtttct ttttaaagct tagtattaaa tattaaatat cttccccatt 120
ttaattttac attactctgc caagaaagaa aaaaaaaagg atttaaactc aagttacttg 180
aagcctggac atacttccat gattagccgg gctacatcaa ggcgtggctt tgtttgtcct 240
acaaagatgg gaccaggtta tacttgtttc tgaaaagtgt gctacaaaaa tggatggcct 300
gtcatccgcc aggttacaaa gtaaggagga gggtaaggga gggatatttt cttcaagaaa 360
aagcaacact taatttctga agaatcccag ttcataattt tttcccaaaa atgggtgaag 420
gaatgggttaa aatctcaaca tgagctccca cgctctgtct gtgaaggacc agcagttgcc 480
ttgctgaggt gactgctang aatgcacatg ggaagtgtac ggcccggagg ctgtgccagt 540
gggctgaagg gtcactggtg cgattctcta agaggtttct tctagaagca gacaactcag 600
actcttcgtc gtacttcagc aaagaagtta                                     630
```

<210> 381

<211> 447

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA946108

<400> 381

```
ttgtattcat aaagtgtctt aaacaagatg ttcttttttag cagttgggga aaaaggttct 60
ctaaaaggca ttttaattctt agtggaaaaa taatattaac aaaagccttg tgcgaatgtt 120
tgaatgacaa tttgctcatt ttcttcatga attgggggtt gatagaaaat gcatatgtgt 180
cactgaaaga cagagtgtatg ggtctgtgtg gttggaaactc aaaatgacat tgctctgtca 240
gtgtgtgctg tgccggcttg atggctttga tgggggaggg gtacacttgg ctggtggtac 300
```

```

ttccaaaggt gaatcttgct atgtagggtt agtgggtcagg gcagccattc aggctgacag 360
aaccttggac ttctgtggct tctgtgatgg ggacagggac atgggtgact tgaatattct 420
tcagacagcc aaaaaatgag ttccaca 447

```

```

<210> 382
<211> 476
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA946187

```

```

<400> 382
ggaatgactg tggagtatta aatattaaca cacaaaaaatt aagctccagc tttagtttta 60
aatgattcta tgttgtttaa tttactttta gaatgtttca aatagcattt caatgttacc 120
aaaatcttag ccataattgt aaacttcaaa accttttact ttacttttta catgcatttg 180
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtacc atatatgtgg tactgtactg 240
tatgtgaatg ggtatctgaa aacaatgccg gttctctcct tctactgtgg ggtacagaga 300
atgaactcag gtcacaaagc ttgggtggca tcatcccccac actgaacc atcttgctgg 360
ccacttctaa tttttaaatt taccatggct ttccaatgga cattttaatt gattgggcac 420
agatatgaga gacagagaac caacttttgg ctgcatttaa agcatttact aatctg 476

```

```

<210> 383
<211> 465
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA946189

```

```

<220>
<221> misc_feature
<222> (1)..(465)
<223> n = a or c or g or t

```

```

<400> 383
accacaagtg acttttattt gtgacgctcc caggcgcagc ccagacacag acacaacagg 60
aagcaggagg tggccaagca gccactttgg aagtcacagg gcatctccca cccagctcaa 120
tccctgctac acactctgtc tcagaaaacg ctcaaagagt agggccagca tgtggttcag 180
gcatgagggg acctgccctt ccctccccag gatgaagaac agggctgggc cagccaaggt 240
gcttcttcca ctgggtccaa gagccagggt accccaggct attccactcc tgggctcttt 300
ggggttgccc cccggctgct cctccaagcc acacagttaa ggccagagtt tcaactttcta 360
atgcagccca tctctgacag tctctgttcc ctangcacgg tggacacagc aagacacagc 420
acacagacta attccccagt gtttggtggg acacgaaggc aggac 465

```

```

<210> 384
<211> 532
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA946361

```

```

<400> 384
acaagttaga atcaagaaag aaaagacagt ctggggggcca accggagagg tgactaaaat 60
ccccaggccc caaatggagt ggaagtaaag ggaagagtag aaaaaaagt caatgtaaaa 120
aaacaaaaag agtccctct tcttccctcc ccatggaggc tggagggcgg accacggcgc 180

```

```

tacaccccca gccttaccac ctagcttaaa taaattaaaa cctcaaaaaca gggcccttag 240
aagtgaacag gacagctgca gctcaggggg cttggtgcca ggcataatgcc cacaccacc 300
catacccttg cccaccccc atcatcctca acagggacat cacaccaac agggctagga 360
attcaatctt attttgtctg tgtccctgca ttcctcccca ctgcagagcc agctctccta 420
tgagggggtg agatgaagaa gcgtcacagc aagggaaaag tggggaaggg tggtagaggg 480
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<210> 385

<211> 658

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA946368

<220>

<221> misc\_feature

<222> (1)..(658)

<223> n = a or c or g or t

<400> 385

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atatattacc acaaatacat atttaaagcc aattctagct tttgtaagat tctatatcat 120
aatccattta ttataaatta catcttttaa cactataaca gctctctgaa gttacattag 180
ttgtggctga gcagaaagag aaaaacctac tcagttttca aaagagctag gcagcctgga 240
acttgacaac atacttaaaa taaagagcta aaatgtgcta aaaatagttc atttcatggc 300
gaggaaacaga acatataagc tctgtgtaag aaagtaaaaa gaaaaaata tctgtgatac 360
ctggccttgt tgttgccaag gacaccagag agggagaggc ttatacaata tattagcaat 420
ggttcatatg tgaattgttc atttttcac cttaaatctt taaaatgatg taatacttat 480
gacatatcat gtgctgacag tcacaaggaa catttgctat aaatgaaagg gtcaccccag 540
acatgataac agtttacttc gatgaggaac aaagcgtttc ttagaatata tacattcttg 600
aaatttgcca acangaaaaa aaaatcagta aatcagaacc aaagaagata attagttc 658

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<210> 386

<211> 527

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA946379

<400> 386

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ttcaataaag tataaaaatc tgtttatata cagtgaagta taataatctt taattgggaa 120
acgtatttgg tactcctgat ctgtttatat taaaactgtg ggggaaacga atatctcggt 180
aagcgctaca tttccagtcg atcgacctg gcacggaaag cgtcattgca tcttaggtcc 240
tgcttggtat tataaaagac taatttgaag tcctaggatt caaaataaac atcatttgga 300
ataatagata tatacatcaa aaatacatct agaaaggcat tggttagtgc tattaaaaag 360
ctgtgtgctc aggtactctt ctctttacag gcgaaaccgg gtggaaatgt ttgaattccg 420
tttctagcaa tttgctcttg gggaagggtc gtcgaaagtt acctggtcat attcttactc 480
ctcatctcca ctgtccatgt caatgtctac ttcctccgtg tccacgg 527

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<210> 387

<211> 594

<212> DNA

<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA946428

<220>  
<221> misc\_feature  
<222> (1)..(594)  
<223> n = a or c or g or t

<400> 387  
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catttacaaa tgaaatttgg gaataattaa aaaaataagt taaagactcc aatctacata 120  
cacacatcca ttaactattt tctcctaggg cttagactag aacacaaagc aataagagct 180  
gtaaccttac tttgaatagt gaggaggatc ataatacataa cttggccttt atctgggttt 240  
accacgaaag cagtttagcaa acagtgcgcg acagttatgt tttagtcaaa aatgagggtc 300  
agacacaata tgggtccata cggtcctatc tctttgtgac atcataagca ccttatattt 360  
tttaatatatt gttcaatgga actccccggg gtcatacttc tcaaaatcca tcccaacaag 420  
tggtgcatgg ctgcaaataa tgatgcttgg agaggaattt agctgtctac tcagtctgca 480  
aatcacaaat tgggtggcctt agtagttcta atgacttacg tgccaggaaa ggggtccccct 540  
tccccatttg cttaaaaaga tctagctgtg ccagtgccan aagttactta cttt 594

<210> 388  
<211> 680  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA946441

<400> 388  
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tgtctgctca ggttgccctga atgggtttttt actcagtacc accaactctc tgggaactgt 180  
gagtgttaact gccagatcat aaattgttta cattcttttt gtaaaccatt ttattaagaa 240  
aaaaaggtac atggacataa aatatgatta aaaactgctt ttccatagat ttctgaactt 300  
gcaaaagagg cttcagttta atgtgaaaat aagcactttt tttttttaca aaaaaattaa 360  
cgtattttatt agcaaggctc tttacacagc taggcccctgt catttcattt gttgattttg 420  
tttttaatat agattctcaa taaaacaaag agcatagagt aaatttaggt aactagctca 480  
atgccttcac gtagtaactt cgtaaggctc tcgtaagtaa ggctgtgtac tttgttgtgc 540  
tccattctgt tcctgccagc atagaactaa atacaatgca ttcttgctac acacagcttt 600  
acagaagggt atttatgaag ttttagaagg ggtgaatgat tattttcact cagggtgcac 660  
ttaactcctt taagcaatct 680

<210> 389  
<211> 529  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA946466

<400> 389  
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tcttctactt cacagtctaa gtccctgtgc ttaactccct gcgtgggtggc ttgttaaggg 180  
gtgcattggg agttaaggag ttgtgggttc acagttgggg agaggactga taccatcat 240  
caactgaggt gttcaattgc aggccacagt tgactttcag cttttctgtt ctccctaata 300  
ctagagtggg agtctgagac cagaatacac agtcacctcc ttctccaaag atagcaaaca 360

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ggctacggta ggccctgcagg taagggtggc cagaggaaat taccaatgcc atggcctgtc 420
ccatgaccat aattggggccc aacttcccat aaggctcttc tagcaaaggc ttccaccact 480
ctccatgatg tagccgcagg aaagacaagt ctggacagat cgatgtttc 529

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<210> 390
<211> 557
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA946476

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<400> 390
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gccactaagc tacatccaca accgtctagg ggagttttat ttaagaggca aatgtggaat 180
aagccttgaa catgggatcg aattaatgat gaaattccat ggtctcaaaa agctacatgg 240
aaggttctgg aagccaaccc tgggtggtctc caaccctggg ggaaccccca gaccatttgt 300
acggatctct gagacacact ttgtgcaggg gctcaaaggc gactcaaaat gcagctgctg 360
aaagtctagc tcaccagcag ccagacggca gcaccaagcc tggagcttgg tgatgcaagc 420
ctcagaagac tccggaggct ttgtcatgtg tggctttaga agccaggcat ctgttggtgtg 480
tgggacactt gccagattt gatatcacgg ctgtgctcaa gggctcgatg aaattttgtt 540
ggctgcgtag aacaaag 557

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<210> 391
<211> 654
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA946503

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<400> 391
aactggggac atgtgtttat tcagcagaaa gggggagccc gttggtgggg cagcgttaac 60
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tggtggggca gccaggtgat tctctggcaa caggaaagat ggagcggcag acagacaggt 180
gggacctgaa ccatcaggcc actgcacatc ccagtcagcc acgctcaccg tctgttcagt 240
tgtcaatgca ttggtcgggtg ggaacagaga aaacgatgtt gttatccttg aggcccagag 300
acttggaata gctgacgaat cgctccttca gttcatcgga cagccccttg gttcttccgt 360
acaggggtgac tttgaagtac tgtttgtttt cagaggtctt ctggaaaaat accatggcaa 420
actggtcgta gtcagtgtcg gccacttgca catcgtagct ctgtatctga gggtagctgt 480
gaatattccc caggggtgaac tggccaggcc tggagcttgg aacgaatgtt ctgatccagt 540
agcgacagcc ctggcccctg acgaggatgg aagtgcgtt gtagctattg tcttcctgta 600
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<210> 392
<211> 437
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA955071

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<220>
<221> misc_feature
<222> (1)..(437)
<223> n = a or c or g or t

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<400> 392  
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 ctcttcccaa gaactgccag aaagatctca gccccttaag tagcaaagaa gggtcacctt 180  
 taacaacat acaaaactcc acctagaaaa gtctcatgtg tagaaaggtt gtagttatta 240  
 caagcatcac attttgggga caggaaggga agtcagagt ggagacgggg gacagtgtgc 300  
 agggtanggc gacacacaca ccagcccagg ggtcactctg ggtgaggaag ctacagccga 360  
 ggagtttcag gtgatctgca gaggggtctc caacatctcc atgangaagg tgtcaatggg 420  
 ggtatcccca atgagct 437

<210> 393  
 <211> 298  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA955249

<400> 393  
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 tcttgcaaac acctgctggg gctgtatgta tagctggatg gagcccttca ctgggttctag 180  
 accacgcacc acaagcatca cagggaaaat aattcgtgta cctctgaggt aaattctaca 240  
 aaaccaagag cattcagaca catgctttgg atcacaagga gactgccttg agaattatt 298

<210> 394  
 <211> 408  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA955443

<400> 394  
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 ggtggcagga gaagtggctg ggagatgtgg ggcattgtct ctaatgggtt aggcattggt 180  
 tttcagtcct ccctcccaag ctatagggcc tgaatcagaa gggacgacgt ggtcacatgg 240  
 aattgcctgt aaccttacac gggatattct ttacccatgg ttgatcaata ggggctggac 300  
 tctgctctga gccaccctc agtgtggctt cattattggt catccctatg tcaataacac 360  
 tgtccttcga tacagcatat ctttaaccagc aagccctgcg tattgtgt 408

<210> 395  
 <211> 495  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA955540

<400> 395  
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 ctagactcct ccatttagaa aataggaacc acggtttcat taagctgtgg ctccctttcc 180  
 ttttaacctaa gcttagttta aggaaaactt ccctcgtaca attatgtaac taactttaat 240  
 caatacatag taattatgca agcctcaata cagtagctaa ctttttgaaa atgacttaac 300

acaaactatt aacaactacc ttctttgaaa atttctctat gcaagtatca gaacagattt 360  
 acttctcttt taattttcat ttctattttt ttgggtatgc cttagaaaag taaaattaca 420  
 tataaacatt gtcaactact ttatttgtaa agtcaagata atggattatc tcctctaagt 480  
 aattaaattt tgcaa 495

<210> 396  
 <211> 387  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA955564

<400> 396  
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 gctttctggg ggaacgcatg gcagtcacac gacaaaatac aaaactaggg ggctctgtct 180  
 tctcatatcat catacaatat tcaagtattt tttttatgta caaagagcta ctctatctga 240  
 aaaaaaataa aaaataaatg agacaagata gtttatgcat cctaggaaga atggggcagt 300  
 tgggtagatt cctgtcccgt cccagggac cactagcttc ctgccactga acttccccat 360  
 ggctcaccac atcatatctg caggtaa 387

<210> 397  
 <211> 348  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA955729

<400> 397  
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 gcaaatgatg actgatttca agtgagtttt aattaaacgt ttaagactac agatcaagaa 180  
 ttgtttgttt tccagtcata tgttcgtttg agattaaaat acaagtgtaa aacagggtta 240  
 agtttagatt accccaatga tttattccac aagtccaatt gatagaattt caagcacgat 300  
 gtctagaact caggaccaag ggacaacat agaatcattt tacctttg 348

<210> 398  
 <211> 445  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA955927

<400> 398  
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 ttacatattt ttaccattta gaaaaatgca ctagaaaaat aaacttttgg tcaacactga 120  
 agtaggtgaa cccaccacgt gtgcacatac tcaaagccaa actgaatttc agtttggagt 180  
 aaggaatgtg accagggact aaaatggtgg cctagatttg tcaggaaaat agcccagttc 240  
 ccacccatca gagagggtat cgaggtcttg gccactgaga agtttcaagt attctacctg 300  
 ttgggttcct atgccgagaa gctgaggcac gtccacagga acccaaagtg gctactacta 360  
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 aatttgggtca caaacctctg tgccg 445

<210> 399

<211> 306  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA955986

<400> 399  
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gtacgtcact cgcaaggaca cctcagaagc tcagcacctg ggctccatcg gcagcttgag 180  
tgaggtagaa cgtggctgtc ccgctgtact gctcctgtat gtgatgcatt acaagggggg 240  
caacagaggc ctccagcaac gtgacagtgc agccgccgaa gccaccgcct gtcattgcac 300  
tgccgt 399

<210> 400  
<211> 392  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA956170

<400> 400  
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tatgaaagga aataaagggt gggatgtgga agtgggttggc cctggacaga ctgggttggg 120  
tggacctgca cccacatagc actgtcactg tgaagatcac agaagaccaa caacctccag 180  
attggtaattg ttgactttag cgtctactca tatagccagt gtcccgcgtg gtcctcccag 240  
cacagaagct catcctcacg gaaccaaaga gcgatctctc tctgagcact ttccaccgaa 300  
tcaactgccat gaatcacatt cttgccaacc tccacacaga aatcaccacg gatcgtaccg 360  
ggcgtggcgt cccctgggtc agtggcccct at 392

<210> 401  
<211> 283  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA956247

<400> 401  
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tgcttcgctg tttttacttt ctaaagagga aattaaggag gagtaacaca agaaatttca 180  
acaaaccaga tgcttttgtt atgaaaagcc aggtttttct caccagcca ggcatttaatt 240  
ttgatagcca gaataaaaac aggaccagag aatgaggttt tcc 283

<210> 402  
<211> 501  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA956278

<400> 402  
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cacaaaactg aggttccaaa aaagttaaag aatcttaatt ccttatagaa aagagagagg 240
agccaaggca aatggggagg tatcccaggg gtgggggaaa tgccccctac ttggtgggat 300
accctcctc ttacatagct gcctctgatg ggacaaaagct tggggtatag catttaaaaa 360
ctccacacc ccattttatc aaaaccaaag agaacaaaaa atttcccttc cccccacaaa 420
acccaaatat atatatatac tttttcttaa aaaaaaaaaa tccaaggcat taaagcgta 480
aagtgaatcc agaacaagag a 501

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<210> 403

<211> 379

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA956301

<400> 403

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gctgaaggct tcacaccgta atgctcaaga gtgatatcaa ggggaaagggt gtatgtaagt 180
gcttctatct ccacagacag aagatgcgaa gtaaacaaaa tagaatggat ttaacaccag 240
gtgttccac ggggaaaaga cgactttaaa gctcatcagt tgggtagaag acaacagagt 300
cccaccaggc tgcaccccca ccctctcctc aggctctgga gtaggtgagg catgccagt 360
tggaatgccg acgagagca 379

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<210> 404

<211> 426

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA956431

<400> 404

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tcttcaaagt gtttcccttt aacggaaact tcattttata gaatctaaac attaaagggt 180
tgaaaaacac aaagccagaa tccagcataa gtcaaggaaa tccactcata cttcaggccc 240
ttctcctcca ggaaccagca ttgttatatt atttccattt agtagaattt gatctaattt 300
tgtaattctt cttccttctg gtgtaatttc aaactctgtg acatcttcca acaccatatt 360
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gtgaat 426

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<210> 405

<211> 446

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA956723

<220>

<221> misc\_feature

<222> (1)..(446)

<223> n = a or c or g or t

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 acatggcccc ctcagcttac acagcccagg cccacgtgct tagggacgga accaggcgca 180  
 ggccaatctg aaatcctggc atttgggagt gggaaggaat atcaggaagt cgccatcttt 240  
 ggttacatag caagtttgaa gcgagattgt tgcaaatgag atcctgtgtc aattcctcct 300  
 ctctctcttc caaggggaat tacatcccga aatcacgtga gcattanggg tcatccccct 360  
 gttctgtgcc tgggcggatc ttccggtgtt tctctccata gctacagtgc ctttgtttca 420  
 gtctacaaac tggtacacag taactg 446

<210> 406  
 <211> 425  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA956864

<400> 406  
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 acaagagttt ggggctgaac aacagagctc tgggaaggca ggagcctcct agatagcaaa 180  
 gggaatgtgc ttggagtttc acttcggtcc cagaatgaga cccagcagtg tctcccagaa 240  
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 cccagaccac agtaaaaaa attgatcccc agaggttaga gctactcctt acccccgacc 360  
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 ccagg 425

<210> 407  
 <211> 540  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA956910

<400> 407  
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 aaaaggaaga tttacaacag gaaagattgc cttccatgca acacaaatcc cgatgactca 120  
 tgatgggtcc tcacaggcat gaaccaccaa ttcgagccca ttctcaagt ccacttccca 180  
 gccatctgca gctgtgggga gcccaggaaa gacacttcaa gtggaatgaa tctcaaacac 240  
 cttctcctct ggcagcgtgt aaggggccag aggatgtaca tcaaaagctt aagacaatta 300  
 aaatattaag tgccacagga aaggatcaat gataagcagg agctgtagtt ctcaagtagg 360  
 aagctactat ttacacaacc tcacaaccta aacaaatata agacgaagag ggctgggcag 420  
 cacggcttca tttgctcccc tcctcgcttc tgataaacac ctcgaaatgg agaccgccga 480  
 gctgacagca aacgttctat ggagagaatg ggggtggggt cgagtggggg cacacgcaca 540

<210> 408  
 <211> 386  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AA957003

<400> 408

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ttatcaccaa cacaaggaac tcttcgaagt taattgcgtt gtcactattg acgtccaatt 180
ctttgaacaa gctttcggta tttttattct gcacaaactg agggcactca gtagtgacca 240
ttttcctgaa gtcacccctg taaagggcat ggtgattccc ttttatacca aaataattgt 300
ggtaaaacttc aatgacgttg ctcaaggcct tctccaattc aattgccatt gtcgataaaa 360
atttcctttc acacaaggtc tggacc 386

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<210> 409

<211> 421

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA957071

<220>

<221> misc\_feature

<222> (1)..(421)

<223> n = a or c or g or t

<400> 409

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cggccgcaaa gggtttttttg ggacaacaag tttgaccatg caatggtagc ttttctggac 60
tgtgtgcagc agttcaaaga agaggtggaa aaaggagaga ctcgattttg tcttccttac 120
aggatggacg tggagaaagg caagattgaa gacactggag gcagtggcgg ctccatttcc 180
atcaaaaccc agtttaactc tgaggagcag tggacaaagg cgctcaagtt catgctgacg 240
aatctcaagt ggggtcttgc ttgggtgtcc tcacagttct ataacaagtg acttgctcct 300
tacgggatat ttgccttttaa gggttttacct tttgtttggg ttggaaagat gcttttaatt 360
aaatttgggt aatattaaac cacatgttta caatanaana aaaaaaaaaa acctcgtagc 420
g 421

```

<210> 410

<211> 392

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA957202

<400> 410

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gccactggga ggggcacacg gctttaaccc ctgtgtgcgg agggcaaggg tgaggcatct 120
gagattacaa aactggctat gtacatgggg catcctgggt ttgagtcgtc tgtgcacaca 180
tagtgggcat aggaagtctg gggctctaaag ctcaagcagg gatagggtga gcgtagactg 240
gggcacccca ccaggtagag ccgtcccca cctcaagca tcatcaccat ggagaccagg 300
ctccagggaa accccctagg tttctccata gagacagatt ggcacttagg gatcgccaca 360
aatggggcac tgcgatttct acaaagacag at 392

```

<210> 411

<211> 265

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA957335

<400> 411

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tttttttttt ttttttttaa aagggtttctg taaatatttt attttccata ttttagaatc 60
agaaagaagc atgtggtaat aaaaataata gagaattatt ttcttcagat agtcccgcgc 120
tgctgcgaac cgccagcccc tccagtcagc ccccttccag ccagctctca ccaggcctcg 180
cggtctcttc atgagcagcc gctgaccggg tatcagtcct actatgtaca gatataattac 240
aaggcaaaaa gaaagcctcg tgccg 265

```

```

<210> 412
<211> 557
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA957410

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<220>
<221> misc_feature
<222> (1) .. (557)
<223> n = a or c or g or t

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<400> 412
tttttttttt tttttttgtc ataatacttt tttttattac aatattcaaa aaactgggta 60
tgcaagttta ggggatccca agacccttc ttcaattgta ggaatgtgcc atctcaagac 120
tctatagtca aactgtaaag aagttcagat gttaaagaaaa atgaaaatgt aatttcttca 180
taaacgttct gttactacta atcacatatt ctcttgtaaa ccctgaaaaa tttccctgta 240
aagcaaataa tatatatata atatacacat attatatata tatagtgtgt gtataaagta 300
ttggtagctc ccttcccaa gagatcagct gttttcctta atcatctctt attagtgtcg 360
acaaacagct aagatacata ttactttgag aattaaatac ataattgtga aattcaaaca 420
agccaaaggg caaaagcact atgtggatgg cacacctgng gtacatcacc agagtatctt 480
tctttctgcg ttgccacctc cctcttttgc agactgactc tcaccaaaac cctcttttat 540
tgcaagcaca gcctcca 557

```

```

<210> 413
<211> 454
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AA957433

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<400> 413
tttttttttt agtgccttta gttccagaca ctgtgcggag gatgttacag ctttaatttta 60
tcaacagttt cctaaagtgg acaccactct gttagcttac agaacaggaa gctgcagccc 120
agggaggtcg agcgactctc tcaagattat ggtgctcata aatggagcca aggatgccag 180
ccaccgtgct gccatgctgc cctcggaact ggagccattg gttactcttc tcgttgctat 240
gacgatatac ctgacaaagg caactcaagg aggggaagggt ttctttggat gacagctcag 300
gaatacagtc cgttgtggta ggagaggtgt ggctgcaaga gcaaggaagc tcacattgca 360
tccataatca ggaaccagag aacagggagt gctatgctgt gtcacaaaaa gctcagccag 420
ataaaagtgc tcagccaaaa ccaaaaaaaa aaat 454

```

```

<210> 414
<211> 337
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA957452

```

<400> 414  
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 tcggcgaggt atacagaaag ctctgcgttt caaaaaacta gacgctttag taacaatatt 180  
 acaaaggctt tagcttcaaa aataaccgaa aatgaaaaaa ataaactttt aaagaattag 240  
 catcataaaa ttaattttatt ccaagtaaaa atacaaaata atattatgac gttgaccaga 300  
 tatgaaagtc cctcccagaa acaactctag taatgat 337

<210> 415

<211> 555

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA957708

<400> 415  
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 actagatctt gcaaaatatg ctctgaccac ctttctgaaa ttaaaaatgc ataaccacat 120  
 ctgtaagatt tttaatgaac aaaagagtta aatacaaaact ttcatatgca aaatagatga 180  
 ctgtaaaccc ggcaacctca gagccgagca cgaatctctg cgaaggctca gtggggctgg 240  
 agtagagcat gctgctgagc cagacttaat tcagcttcat atatatttaa aaaaactctg 300  
 aggaaaaata ggcttaaatt gaggagcatc tcctgaaata cagctcaagc cagcccttac 360  
 cactgtgagc gcaggctcac caacctcggg tttgacattt atggtcacag ttactttgaa 420  
 tccagtttca tgaggaagcc aagctacttc agttctagag aagaaagtct tgaagatgag 480  
 tgtgccctgc tgtgaagact cacggaccac gttccttggc cactttccat gaactgtgcc 540  
 cgtgtcatag catca 555

<210> 416

<211> 497

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA957906

<400> 416  
 tttttttttt tttttttgcc agttcaagaa atttatattg aaattttttt ttaagaatac 60  
 acgtgatttt acaaggctcat tcatcatagc accaggccca atgttccatg atagaaaaca 120  
 gtcaagtaac aaacgctcca gggagtttcc tatagatata aattatgcaa atatccattt 180  
 atatcttcat ttacaataat caataaataa gagcgcacat tcgtacattt tttttacaaa 240  
 gatccctttg ttttttttat aaagctataa ctatgcacag ctaaatagac aaaataagcc 300  
 ttgtaccaca aaataacatt ttgcttttgt ctccaaccgt tctgcaactt tcaggcacia 360  
 gccacgaggt cctcccactg tgccattaag aaaacatcaa gtctgtcaac tatatcccag 420  
 gccaaaagac aatgagacac cggtcagtct tccaagggtg tactctgaac agcgtcctgt 480  
 atccaggcct aacaacc 497

<210> 417

<211> 525

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA963369

<220>

<221> misc\_feature

<222> (1)..(525)

<223> n = a or c or g or t

<400> 417

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tttttttttt ttttttttatt ttatcattaa cgtttattga tgggatggat aaatacagat 60
tgagaaacat ccttgacagc aagatatcaa actgatagcc agactataaa atgtatacaa 120
tattccttctt taaatttttt tgcgttttta aagttttttt tacaaagagc ccttatgata 180
atggtcactt ccattgtact gtcattcacc taacagcagt agagatccca ggagtagcac 240
ccaaaactca ggtgccccac agaggacaga agcaacagca gaataatatg ctgagcagta 300
caaaaanaaaa aatcagacaa aaaaacaaaa cctcaccaca caattgtacc tgagtacat 360
aaaccggtaa aagtgtgact ttgctttttc atttttctct tctttttggt ctttgggtctg 420
ataagaaaat gaacagtttt gcgtgtggca agtcaggtaa taaagatcag tctccagttc 480
agaaccctaa atcacaccta caaggctgct gcagcactgt ttctt 525
```

<210> 418

<211> 328

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA963372

<400> 418

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tttttttttt tttttttcca tttgttcaga tcagcattta tttgtaggaa gcggtaacat 60
ttacaactgg tcctcaggca ggaatatgga gggccacctc ccgaggccgc cccagggagc 120
ccagccctcc tggggagaaa gtagcttccc cgtgctccaa ggactaagcc tctcctcaac 180
cccaccccaa cctcgtgtcc cagggcccaa ggcttcttgg taggcctctc tggaagtcag 240
tccgcgggct ccttgaggat aggggttttc ctgcagctga gctgggtttt ttgggggagg 300
gggtgtgtgt ccacagtctt tctcttct 328
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<210> 419

<211> 345

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA963703

<220>

<221> misc\_feature

<222> (1)..(345)

<223> n = a or c or g or t

<400> 419

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tttttttttt tttttttgga ttttgactcc tgatttttatt attcaatttc tttttctact 60
aaaagtagtc ttcggtggtt gggaagcctg gcctcccaac accagagtca gtcggagctg 120
gtttttttgt tgaaaggagt gggcgggtgg gtgggggacc gggatgaggg cagaaccccg 180
ctctgctggt agtcttgggt ggagaagacg aactgcactt gacagagcct ggggtgcggt 240
gggagggggg gaggcangag tgacaagctg gggaggggac ccacctcagt cnccagctcc 300
attctcctct aatgtctctc cactggtggc gttctctgca gtctt 345
```

<210> 420

<211> 477

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA964004

<400> 420

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acatagttaa ccttccaaaa tatttttatt gttgcgaatt ggtaatttta ttgctgtctc 120
ctttgggaaa aaaaaagtct caaaatttaa cttcccttgt tgcaaaagtg attttgaaat 180
gccatattat tcattaagca ttaattaaag aacagcagga taattactag gatcatcaat 240
attaccagaa acattagatt gtcccagaag ggggcaactt agcttgaaac tataattttt 300
ctcaagtagt gctgatcaga gtcggggcag gggaagacat ccaaaatgac tcttaggggt 360
tgtaacttta aactattgtt tggaaacacg ctcttccatt tttattttat taaggaaaga 420
caatgggact cactttgacc cagtagttat ccagcttctc ataggaggga agtgacc 477
```

<210> 421

<211> 187

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA964139

<400> 421

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cagaacaaag accaatagaa aatgcactgt atttgaatct cactatccta tagaaaatga 120
acgggtgtaca gcatctgttg gaaaaatggc tgcattgggca ctttaaggcc aacttataaa 180
taaaaaat                                     187
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<210> 422

<211> 281

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA964181

<400> 422

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tttttttttt tttttttaag aaagtatttg gaaataaagt cagatggaaa attcattttt 60
aaaattccca ttttgtcact ttctctgata aaatatggcc atatctcccc tatttagccc 120
tatatatcat tccagtggcc ctttccagac tggactgagg aaataggaat tggtttcatg 180
cctgaggctg ttagactttg gaggtggcat agcctttctc acctggactg cagggcctgg 240
ctctaagtca cagtgtctct ttctccacac tgttatccaa g 281
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<210> 423

<211> 531

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA964275

<400> 423

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tttttttttt tttttttaaa taagtaagtt tccgggttct catattttct ttttctttga 60
atatattgca caacatttta ttattagaaa aggctttatg tctcaggcaa aaagtttttc 120
tccaccacag aggtgctaatt gtgtgtgtgt ctctagaaga ggtaagtggg tgtctgtgtg 180
gccatccgca aaggggacag aatggacggg cttgtaggat ccaagtctga aacgacagca 240
aattattttcc actataaatt ttccaattcc atgtaacatg cctgttggtg aaaagattcc 300
tccaataata ccacagagtc ttacaaaaaa ctgccagaaa ggcattgtgt cctcagtgac 360
tgtcaccatg tgagaactga gatcgtatct cataaatatt ccagagacgc cgtggctgcc 420
```

tgcagcatgg ttgatgatgc gttccctttc tgtcacagag aactgatggg tatctgcgga 480  
aatcttgtat gtgtgtagct ttgttggcac aactgtaatg aaatattgga a 531

<210> 424  
<211> 458  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA964302

<400> 424  
tttttttttt tttttttgag gtcaaagaag tcatcttttt atttgtgtct gtgtgccctg 60  
cgtgggccgt gtatgtgagt cagtttaggg gtccaggcca gcccctgcta gacgccacta 120  
cagctcagag tgggtgtcgg ctgcctcaga tatgagctgc aaggctgccc ttggtgctgg 180  
tagggcgctg gcctgattgc tgtgagctag gtgggatgat gcccaaactg ccctggggac 240  
agtaggcacc gactacctgg gaccatggct ggtttgtgtg catccagcca ttcattgtgtg 300  
caggctgtgg ctccctggcac actgcacagc tggaagatca cattgactgt ccttgtgtcg 360  
gctgccgaat caggtgaagc actgagctgg gggtagaggg ggtacagggc ttgttgggct 420  
gcgtacttct gtctcacact cgtgcattca ttccttgg 458

<210> 425  
<211> 438  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA964336

<400> 425  
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acaaaggcag acaaattcag ctaacatggc ccacactcct acagagcaat gaagattata 120  
gcatgctaaa tccaattatg tggtaggaat gacatgtaga atcacagtac cgtccacccg 180  
tggctcacac agttcaattc atcagaactg tgctcagtag ccagggtgtcg aattattgca 240  
caagcttgcg ggcccagcac gttccctcca ggcagcgagg tctcctgcct cattctagca 300  
tcaggaccag aaagtacagta ccagatttta cagtcacatt tatggaatcc ataacaaact 360  
taatttactt gtctaccaac ctactctcgt tagaggtccg cagatgcact aattggtaac 420  
cttcattatt atactcac 438

<210> 426  
<211> 363  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA964368

<400> 426  
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cagtcagtct ggacaatact tgattgcacc cagttgatgg gatgtggaca gcagcactga 120  
gttacacgat gagagcaaca cttcattttc cacctcctag gaaaatattg gttagataag 180  
gcaaaggacg ggcagctact gaacggtgat attaaccatg caagaacaac acataggtgt 240  
gcaataaaca tcattgctaa atcttggggt gaataggcaa gggataaaat ggatttcagc 300  
caagaatttg taacaattaa tgcaaaagat tttaaagaat gtcttgtagc tacctttaca 360  
tta 363

<210> 427



<211> 477  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA964379

<400> 427  
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cccattttatt agttttttcaa aatgctgtcg tagacctgat agatgtactg agagacttca 120  
ggggctctac acttcagcga cagcgtataa ttgggggttc ctggctggat ccgcagctct 180  
gccaaaatcc aaatgccatt agtgagcttc agggactggg acagcatgtc ctgcccctcc 240  
acattcctct tggcgatagt gtaaacattg ttgttttgca acttgctgga aactgtgtca 300  
gcgttttaaat gacactcctt aatctgaaat tggagctcat tttcattggg aatatccttc 360  
cacgtcgcaa ggaagacctg gcgttccatt ttgccatctt ctacaaaaag cacattgagt 420  
gggatgaggc agctgaagta gaagacatca atattgtttt taacagccac ctgcaag 477

<210> 428  
<211> 498  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA964455

<220>  
<221> misc\_feature  
<222> (1)..(498)  
<223> n = a or c or g or t

<400> 428  
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caagacatac atgtgagcac aaggagctta gccatggata gacgtgtctg tggacagggg 120  
cactgcagga accatcgcac ttaagctcgt gtgagaccca ggcagctctc gtcattgttc 180  
cttggtctaa ggagaggtag atcatcagca ggaaggtana gaggacgctc ttcaacagag 240  
tagccgagga cagggttctg tctgatacga acatccgcag ggtgctagca ggagcacacc 300  
tgtcatacag cctgccc aaa acggccacta gcattctctc ccaaaacatc tcagggactg 360  
gcaaggggca agcgtgacag aactggata gatgtttcta gaaagcagtt catttcacag 420  
aacctgctta acgggacagg acgcccttct aacggacctc tgcacacact agaacactag 480  
agcactgtcc gcctcatc 498

<210> 429  
<211> 367  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA964514

<400> 429  
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ccagaggcca gggagtccac ttggtgaggg gaggcccgcc acggccacct cattcattag 180  
tcaaagcagt cctgaggtgt atacctgggg tcctcttcag gggctctggc tttcacaagc 240  
acttagttcc atttgatctc ggcattgcct tatacacagg agctctatca cgtgttactt 300  
cagagtgagt acagggcctc gggtagcctc gagcgttttc tggaatctgg aattggccct 360  
cgtgccg 367

<210> 430  
<211> 537  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA964688

<220>  
<221> misc\_feature  
<222> (1)..(537)  
<223> n = a or c or g or t

<400> 430  
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ccacatctgg gccagctctg gactcgagtt acaagatact gggtcctgtt agttatagt 180  
acaaaagcag tcattaaatt cttgagattt agacatctcc tgtaaaaaaa atcagatttg 240  
ctaaaaatgg agagagtcca agtgacgtac tgccagggtg caacagtgtt agcactcaac 300  
aggaagtcca tgccaaaaaa atctttttta aggcatagtc tcactttgtg ctgctggctg 360  
cacctttcct ggcaactgct tagcgaccag gtcttgngga aaacgttccc gctggggacc 420  
tgaccaactg gcaaaccagt gaagaacaca cttcatctcc tgggaagtga tgtaagacat 480  
tggagggggg gaagagttgg caatgtcatc aggcactgag ggtaacacgg aaggga 537

<210> 431  
<211> 437  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA964752

<220>  
<221> misc\_feature  
<222> (1)..(437)  
<223> n = a or c or g or t

<400> 431  
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gttcatgata catacttttc tgcaagaagg caatgaatga aataaaggca tagaggggaa 120  
attggggaaa aaccacaatg tagtaggatg tcacttaatt aaactcgtac ttgattggct 180  
agttgtttta gttacaattt caagtcttat agatacagaa ttctactttt tttccagaac 240  
aaacatatat gtccttaaag acagtggggg agacaacaga tttttaactg ctgagcttct 300  
tacttctaag gagaacagtc aacattgtta cttcttggtc ttcacagtct ggaattcatg 360  
tgggtcatta gcttctccaa tttgattgct anggctatgt ttcctttaat cttcaacttt 420  
cctgacataa atgcat 437

<210> 432  
<211> 404  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA964892

<400> 432

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gagtgtgcca ttatgggagg ctctgtagctg tctgtccttc tccttcagca aacagaggcc 120
aacgaagcgg ggtgtgttta cgcaaattccc tgtaaggcac tttacggttt tcatagtggg 180
cagtgaaggta cataggatat aattctaggg ttcgttgctg ttaacaatac aaaaggaggg 240
gagaggagga caaggaggga gtagcaccat gttgtgacgg cggcagaggg gggcatcact 300
atgttcttct catgcacact tggcagcggc tgacatgctg gcgcagctcc cctgccttca 360
aggtggacgg cgtgggcttc ttgaacatct cgcttctctc tatg 404

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<210> 433

<211> 380

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA965031

<400> 433

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tcagaaatcc attccccagt catgaaaatg tactgtgcta actttctttt ccatacagga 120
aacacttata gtcatacaaaa atagtgaata aaaaatgcct ttgaaaacct ggaaaaaaaa 180
ctaaaaaaga gaacaagaaa ggtcacggca gggtcagctc cccacaggca ctggtggcca 240
ctgtggccag gccctcggtg gccacagcag cctgctcccc gagcaaaggg agcccacaat 300
ggagccctaa agtatgatgg catttcagga taagaggcaa aagaggcctc ccctcccagg 360
agaaagaaaa gacacttggt 380

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<210> 434

<211> 201

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA965075

<400> 434

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tttttttttt tttttttgct gctgcagcct agacctttat taaaggtagc aggtcaagct 60
atgctgagga agagcagctt aggggtgggc atcgaggatt ggcactcaca ggaggatgaa 120
tggctttctc ctgttttctc tggcctcacc cctgctgcca gtctcctttg atcctgttgc 180
tctggctgct ccggctgtga c 201

```

<210> 435

<211> 498

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA965122

<220>

<221> misc\_feature

<222> (1)..(498)

<223> n = a or c or g or t

<400> 435

```

tttttttttt tttttttcga aagccacctc tttatttcgc attcctgccg cgtgaccagt 60
ttgcatgagc tgggaatgag aggggtgtgg agggaaaggc agagtgtctg ggggcagact 120
ctcttggaag tagtagatgc acactgctca ggcaggttag actggagaag caatttcacg 180
ataaacccta cagaatgaga aatgtacaaa gttgttgggt ggctgctggc ctcttgccct 240

```

```

cccatggggg tcagggttac acccatcagt cctgcacaaa ggtcctgnag ttgacctgng 300
gagctgcaaa atcttccttg ngggacaaga acagtcttgc tcaccagca gatgtgcaa 360
cgaataggca catgggtgtg tgcccagttg ctgtggtttc cccctcaggt tccatagctc 420
ctcaggtgtg tcttcctcct gcctctatgt cctcccctta aaggtgttca tacaggtgta 480
agtccccgag aacctgtg                                     498

```

```

<210> 436
<211> 519
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA965190

```

```

<220>
<221> misc_feature
<222> (1) .. (519)
<223> n = a or c or g or t

```

```

<400> 436
tttttttttt tttttttgcc aaggtatata cacattttat ttaaaaaagt ttacagtttt 60
cattatacac aactattaag gaggttatag tcagaggagg catttgtcca ggtgacagac 120
atgccacta gatcatcaca atgcaaggaa ggcggaaggg aggagatagg gccagggggg 180
gaaagcagta aaaagcttag atttcaatta agggctggta agtccctttt ctcttcaagt 240
atcacgcatg tgtaccaa ataatcagta attaaaggcc atttcttccc acaccacag 300
ccgagtaatt gctaaaccaa gagccctggc cactcctcag gtgagcaaaa tgctgcacac 360
catggctccc caagggccat cacaccatcc aattcctaaa gagctggcca aggtgttcag 420
tggccanagg aagatgaaca tggattcaga agtccaaaga atgcagttct ttgtgcccaa 480
tcagaaatga gttggtttcc ctctgtccga attcttggc                                     519

```

```

<210> 437
<211> 414
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA996451

```

```

<400> 437
tttttttttt tttttttggt gaaccaggaa gctttattta cacagtaaaa gtaacaagca 60
aattcctgag actagagcgg ctgtagtga agacagtcgc ggctgtggg ggaaggcagg 120
cagtgggtgt cggtgctagt gagaagaccc agcatgggct gccgtcctgg tgggggctg 180
accaccgcac cctccgttca ccacactgcc tgaaacagta ccgctgagca cactggccc 240
tagcacagcc tgcaggcca tctgtcctg acccctgggc accccgcaa cactgacaac 300
gcatttcatt tgccaatgag actatgctac tgtcaggcta ccctacctag cctaaagagc 360
cccaacagcc tgcaatttaa agtatcttcc ccttctcct tcaaggtagc actg                                     414

```

```

<210> 438
<211> 258
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA996727

```

```

<400> 438
tttttttttt tttttttaag gcttagttca tttattacag cacaaatatt tcagaacaca 60

```

```

ctgtatcaga aaagacctgg cagtaaatct aagacaaaca gtttccactt tccaagtttg 120
cagtcggtca agcaggacat agatgcggag cccttttcaa atgacacagt tattctgaaa 180
gtttaagggtg ctacaggaac atacaacca ggacttcatt gtggagagga gaccagattc 240
aaatctgcct tcccgggtt                                     258

```

<210> 439

<211> 203

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA996782

<400> 439

```

tttttttttt tttttttgca gttaaaatca gtgtttattt gaatgtacaa aagttcccag 60
tagtaaaatg tatattacaa atcataggca gaaaagaaaa agtggaacac gtttgccatg 120
catcttataa aagaaaggat ctgtagaagc tgagcaatgt gtgcagtgc ggcggctccc 180
agtagaagtg ccactccggt aac                                     203

```

<210> 440

<211> 440

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA996883

<220>

<221> misc\_feature

<222> (1)..(440)

<223> n = a or c or g or t

<400> 440

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tttttttttt tttttttgag cggaagacac gcagcttttt aatagcaaga cgggcacact 60
tgtccctagt aaccttgag ccattgatac ctgtgcattt gagagacgtg aggctgggaa 120
aggcaccagt gtgagggcat ttcattgtcca gaggtgagcg taaggcagga tggggagccg 180
tctagtacct ctgctggacg gtagaaccac cagcatggca aacacagtca gaggtcagag 240
gaggaagaag gaggactggt ggtggcgctca tggggcaatt tgcccactga tgtgccacat 300
ccttagtcct tctaggcaaa ggganaggta acatgttcca tatcgaagtc cacagcagct 360
aaccgcattt gaccttggga attctaggct ggacttggtg ggggtggaat agcacagttt 420
taccactgct tttgactgca                                     440

```

<210> 441

<211> 158

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AA997009

<400> 441

```

tgtttttttt tttttttaaa ttgaaaaatg cattattgac aatccttggg accatgggtc 60
ccaagaaagg acctgtaacg aaacacgcgt gtggtaccct taggtcagcc cttcttttgc 120
ttgagctttt ccaagtacac gtgcaaggac ctctggat                                     158

```

<210> 442

<211> 513

<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA997048

<400> 442  
tttttttttt tttttttgaa gatggaaatt ttggttttat ttgaactgac tgtagtagat 60  
aataacacaa actatatgcg ttttttcaaa atcagcagcc taggcacatc agcgatgacg 120  
taacctttga ggaaaagagg agcctccacc cacttcatct caggggagcg tctacttcta 180  
gtgcaaagta tgtgaggctc cagccttcta tgcccgtagc tcttgctaca ccttagccaa 240  
gctcctagtt aaccacgaaa gcaggaaaat tgaaattatt ctgggttttt gggctttaca 300  
atttaaataca caacatctct aaaaagatag gtcaactcta atgcttctaa agtgattttt 360  
tctttctttc ttttttttcg gagctgggga ccgaaccagc ggccttgtgc ttcctaggca 420  
agcgctctac cactgagcta aatccccaac cccttttttt ttttgctttt ttaagggtttg 480  
tttttaaccg ttgtgtatgt gtacgtgtgg agg 513

<210> 443  
<211> 436  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA997068

<220>  
<221> misc\_feature  
<222> (1)..(436)  
<223> n = a or c or g or t

<400> 443  
tttttttttt ttttttgcca gatttttttt tttttttttt ttttagtttt cataaatata 60  
ttcacagaaa tgtagctgat ggttacaaat caccaggcag caacagacct aatatacaca 120  
attatttgat aagttcattc aatatattta aaaataaact aaaatttgca gtacaaaaat 180  
aaaactaata ctgttttagc tcgtcttttg agtctatacg gtcaattttg agtcaagttg 240  
atcaccattt ttttctttat aaggttcttt anaaagagct gttctgcagt cagattgtga 300  
tacgcattct tcttcatcaa agacatgggt gcattcccat agtagtgtaa aggactgtct 360  
gggtgtgtaaa agttgtactt aaaaccagca aggtgcactt cactgcatat gtgaaacgcc 420  
aaggtgagag cgataa 436

<210> 444  
<211> 396  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA997237

<220>  
<221> misc\_feature  
<222> (1)..(396)  
<223> n = a or c or g or t

<400> 444  
tttttttttt tttttttaat ggggcaacat ttttatttct gtacattgac atacaaattt 60  
tccccaaagg tacaacagat gcgacacat gcagacacgc agctgtgaat gacagttcag 120  
agctcaacat aaacttgtgc tgtgaacagg taccgcccc gtcgacacat acagtcacgc 180

```

ggctcttaag aggaaaagca cacatgggtg ggttgacagaa aggacagagg tanggaagcg 240
ttcctcacta gacacaacac accatattgt ttttccaaaa cacacacgat acattagagt 300
gaggtgggtg ccttcagaac agggaggagt tgaagtgtgg gcctccctca acccatgtgc 360
cacccaaggg ctgggtgtgt gatggtcacg agattc 396

```

```

<210> 445
<211> 221
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA997323

```

```

<400> 445
tttttttttt tttttttatt tgtttttgga atgaatctca tttattttaa acagtatttc 60
tcagcattct caaattgaag actgcaaaaa atacaatcag cgcgttatcc ttggccttgg 120
gatcatgtcg ctgccttccc cctctgcaac cctaagccag tccatgccac cggatgtata 180
tcacgcactt tacaaaacaa tcctgaagcc taatcaata g 221

```

```

<210> 446
<211> 468
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA997345

```

```

<220>
<221> misc_feature
<222> (1)..(468)
<223> n = a or c or g or t

```

```

<400> 446
tttttttttt tttttttgct gtatgaaaat aatttttaat aaaaaatttt gaaagtgtca 60
tgtcgatggg ctattagaac catgaaagtt agtggttctg tgaatgtaag ttttctcaga 120
cagctaggac cagcccacca caaggtacgc gtggaaccaa agtgcttaga ggcttcggat 180
tttaattgtg caaaagatct tgagcctaaa atgcctaaga accatcaggc taacttggtta 240
agagctagaa cattgttacc aagcacattt gaagacggat cttttaatta aaataggggg 300
cctgggtgtca cagatcattg gtagaattaa catgaaaggg ccctatccca aaaatgattt 360
ggtagagtgg tagagttgct cgtcttacag aacatcattc tgcttgtgac aggttagaaa 420
gccattaagg cttctttgac tccactgaat anaggtctgc tcgtttct 468

```

```

<210> 447
<211> 467
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AA997414

```

```

<400> 447
tttttttttt tttttctgca aatataaaat gacattttat ttatatctcc ttaggaacag 60
aatctaatta tgcattacat cctagcaatg gtcagtacca gctacagaac attatgctgc 120
ttttcatctc ccagttcacc ttagtgggca cggcagtcac aacgatcaca gactattttt 180
acagaggaag gtgagagctt tctcaaagt gtgttggtgc ttagagaggg caagcagctt 240
ctcaccatgg aaacaatcag gttgctaggc aggacaaggc caagtgtgga agaattggcc 300
ttaaacagat ctactaaata aatagatcct gcgactggca actttcttca agttctgac 360

```

aatacccatg aagtaactgc ttggccttta tccaaacact tctttcttca atgcttcttt 420  
gtcttgctga caagacagcc agtcaacact gaagcatata gcctgat 467

<210> 448  
<211> 395  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA997438

<220>  
<221> misc\_feature  
<222> (1)..(395)  
<223> n = a or c or g or t

<400> 448  
tttttttttt tttttttgtt ttaaaaaatt aagttttataa atattttctc cactgtacaa 60  
agttttccca gccctgccca ccccttcacc gctcacattt ctcacttctt aaaaatccca 120  
attatattta ttttttaaatt cataaaatat atttttcctt tgttcatatt taaaaatatt 180  
tacagggagg cagcgaggcc ggggtggacg gccgaggtca ggacgagtcc gtgcaggtag 240  
tacttgctgg tcttcacagc actggtgctg tagtcgctgt cacacacgct tgtgctgcaa 300  
ggtgtgttg ggggtgccat acctcgaatg atgtanggcc tgtatggtct ggcagtggat 360  
gggatgtttg aagaataaaa catgtccatg ttgta 395

<210> 449  
<211> 329  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA997466

<220>  
<221> misc\_feature  
<222> (1)..(329)  
<223> n = a or c or g or t

<400> 449  
tttttttttt tttttttaca aactcggcca cactcgccgg ctgtacattt aatcagtgca 60  
cattatttac agaactaaac gatgcgggga gggggtggat ggccccaccc ctcgctggct 120  
ctcaggttct gtagaggtag tacctaaagg gtgctgctgg cacaccctc ccatctgtca 180  
cctctagtgc caggctctaa gaatccacca cttgcagaga ggcggtgacc cagaggacct 240  
tgggtggcgg ccctcaaggt ttangaggca gaagagccag agccagctgt tacagtacca 300  
ttcccacag aagcctcctg ctgactcca 329

<210> 450  
<211> 460  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA997699

<400> 450  
tttttttttt tttttttcat ggtttttag tagttgtttt attcagtact ttgtaaactg 60  
agactaatac actgacattc aaggaaagca cttctttaca ctgtcacatc ttggcatagg 120



```

ttatgccaaag taccagaaca ttcctttttta cctgtcataa gtagtgggta acagtgggga 180
tagatccttc caccttagga acgtcatggt catgtcacia tacacctggt ttagatggag 240
caccaaaatt ccagaggaca tcctaccac gttctcaatc tcctttcccc atgagggtcct 300
gacggacttt tccaccaatc aaatccgaga tgctctaaac ctcaatactt ctattcagtt 360
gggtgcaatg gggtcgacat ggaagatccc tcattctaat ttacaacttt aggactaaac 420
aacgttgagt agggtaggtg aatgacatcc gaaatcaagc 460

```

<210> 451

<211> 484

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997711

<400> 451

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tttttttttt ttttttttaa aagaaggcgt attttattgc agtataaaaag gcggagacca 60
tcagctttcc aggagcagga ccagcaagtt tctaccctgc ccctgacggt gggtggaccc 120
aacatggatg ggccagctct ctaatagatg gcctacacgc ccacagatga gcaggaggaa 180
ccatgtccag ttatgctgag aggtcacttt taccttcaca agtacaacag cccccacagt 240
gccccactgg agcagtagga tagtctggaa gcagctcccg cccactataa ccacaccac 300
tcctatggg gccggatcca ggcaccacgc agttccagaa acaatagtgg ttgactgcca 360
aattctagaa acaaaattag gagcaggatg ttacattgtc tttctgtagg ttaaaagaaa 420
aacaccccg aagcctcaaca ttttgactct gaaacttggc aagaggcagc ctgattccca 480
catc 484

```

<210> 452

<211> 491

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997721

<400> 452

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tttttttttt ttttttttcag ttttaggaaa caaaaatctt tattaaaaaa ataacttaca 60
aatcaagaga atgctgtttc ctctgttcac gggtttgcag cccgaaacgt aactctacaa 120
tacggttcgt gtcacaaact gcattgctgg gcagtttccg ttccatattgc tgtgccagca 180
ttaaacacca cacagatata aaactattgt aaataaaaac ttccagccag gactggcata 240
aatttatata tatatttata ttttatatat atttatatca tttcgaatca gctaacaatg 300
aatgtcatcc ttagtcaaaa ctacagagtc tgctaattctg aggcctacat ggtccaaata 360
caacagcctt acacctccca tacaatattt aaaatatatt tagctttcaa atgcatttat 420
aaggtagatc catagtgaga aaataaagtc ttaaaactta aatacaaaag tcaccaagta 480
aaaacttgaa g 491

```

<210> 453

<211> 425

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997746

<400> 453

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tttttttttt ttttttttaa ttgaaaaata ccttattgat aatccttggg accatgggtc 60
cctagaaggc acgtgtaact aaacaccggt gtggcaccct taggtcagcc cttcttttgc 120
ttgagctttt ccaagtacac gtgcaggagc ttctggatgg agtctctgga gatgaaactg 180

```

gtgaagttct ggatgtcagc ctctcgctgc ttgatcaggt tgtccgccgt ggccttccgc 240  
atcatgctct tcgtcagctg ccgagaatgg tctgaagaaa atgggggttac ttatgaaacc 300  
cacctgtgga gtatttgggg ccatttccca ctctttgcc catgttcttc aagtactgag 360  
atatggactc tcctagagag ttcagaaaac cagaatgaaa gcatttgggc agctaacgtg 420  
ggcta 425

<210> 454

<211> 422

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997763

<400> 454

tttttttttt tttttatcct tgctcaactc cgttttatattt cccacagtgc ttcacgttca 60  
ccttcatagc taccaacaaa tcaaattgtac aagagtatgt tacacactat acaagggcgt 120  
ctcagggcga ccaggacccc ggtgaggagg tgtgcggttca tttctaaagt gcatgcttcc 180  
cccaccgagg cgccggcgcg gcctctccgc ccgcccacga ggaggtcagg aggtgagaga 240  
ctggatgttc ctgagcatct catcgaaggc ctgtggcgat ggcgcgctcg cgttctggaa 300  
ggtggcctgg actcggctgt acagactgaa ggacttcagt tccagccaga gaaacccaaa 360  
gcggtcctca tcgaacagga cgaagacgcc ggggggtacgc tcggggctcg taaaaacatg 420  
gc 422

<210> 455

<211> 370

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997765

<400> 455

tttttttttt tttttttact ttaaaccag gagactttat ttcacctcca gaaaggcctc 60  
tccagcctca acccacacaa gaacacaaaa ccaagggtgta aactaaaaca gggagggagg 120  
ggaggatcac tttgttgatga catcatgaca ttaaccctg gttggcagga atgacggaga 180  
gcggttttgg catattgcac aggcggcggtg atggaggctg cgctggtgat cctctggtgg 240  
ctgaggccgt ttccttgtcc tcccaacct cagtgcacac gcgggcccagt ctcagaatcc 300  
actaccactt ggtgtagatg tttacaagt ctttgggtctt aataagcacc attacaaacc 360  
ctcacattaa 370

<210> 456

<211> 351

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AA997851

<400> 456

tttttttttt tttttttctg gtttcattgtc tgattttattg gtaaataatat gggcttggcc 60  
caggaccagc cacctggcca ctaccctcct gctgccagct caatggatgg gctgggagga 120  
gatctctggg gaggggctgg gcttcccaaa cccacccttc ttgccatctt ctaggccaat 180  
gagctgagca cccctcagcc tctgtttccc cgacaaaaat tgtgctagtc aaggtagga 240  
ggctcctggg gccagccaga tgcagggtggc tctgggctaa gccaggcgcg tgtcttgagt 300  
cctagcctcc caccctgccc agttcatcag cacaggatcc agcttgaagg c 351

<210> 457  
<211> 415  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA997979

<400> 457  
ttttttttttt ttttttttctt ccaaagtata taatgtatat ttaacaacac aaaagacacc 60  
acttgagctt ccccttagcc aacaggagga atatccacat ataaaaatta aaaattttaa 120  
ctttttaagtc attaatagtt tttaaacata atacagactt aaaaattggt caacatcaac 180  
acaagacccc acccctaagc acagaaatca actccaaatc cagaagtcac agttgtttgt 240  
ccctagatgt cctacagcac tgaacttgat ctttatatca ggctaccagc caggaaaagg 300  
ccctgaaaga aacccttggg agacagcagc acttctgatt gctgctgcat acctatctac 360  
cctgagggca gatgcatttc acgtcaggtc tgtgagactc ggagccacca cctaa 415

<210> 458  
<211> 373  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA998029

<220>  
<221> misc\_feature  
<222> (1) .. (373)  
<223> n = a or c or g or t

<400> 458  
ttttttttttt ttttttttgag cagatctctt ctctatgggtg tggcatagtg tagtgtgtaa 60  
gtaccagcca gaggaagctc tgtagagagc aagactttgc aaaaaatcac caagttatga 120  
cctgggtgtc ccaagccaga tatctgccta atggaatctg ctctggagat gaggcacgga 180  
gatatgaatc ttgctaaac agatccaatt aagaggccag gcacggtagc actggcctca 240  
ggaggccaag gcangaggac tgccatgact ttgagtccag cctggggttac agagtgagac 300  
tatctcaaaa taacaacaaa cccaacaac aataacaaaa aaccaacacg ggggtgggagt 360  
gggagagtga gca 373

<210> 459  
<211> 409  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA998207

<400> 459  
ttttttttttt tttttttttaa ttggaattct ttaatgggtt cctaagcaac agtgggtcaga 60  
cagagtaagt tttcttatga aaaaaatgct aaaacttctt ttgaacaaag gaattattca 120  
ccttaagaaa aaccttaaaa gactttatta ctggtacttt ccaattgaac actagcagcc 180  
caagccttct accttaagtt gaactcttaa aaaaataagt tttaaaacac tctatgctaa 240  
tatatttaca gtttatatag aaattttcaa taatcaaaat acatctttag caaaaattta 300  
gaatgttaaa tttttataaa ataagcaaga ccaatagaaa aggagaattc agtaccattt 360  
cagacttagc ttaagacaga ggttctccta actcctggca actctttgg 409

<210> 460

<211> 283  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AA998234

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<213> *Rattus norvegicus*

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<210> 474

<211> 3750

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AB005900

<400> 474

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<210> 475

<211> 944

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AB006450

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<210> 476

<211> 3730

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AB006461

<400> 476

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<211> 5990

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AB009636

<400> 477

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AF025424

<400> 488

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<223> Genbank Accession No. AF034218

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<211> 1884

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

<220>

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<213> *Rattus norvegicus*

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<400> 497

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<213> Rattus norvegicus

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<212> DNA

<213> Rattus norvegicus

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. AF072892

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cttgatacgc ttttacctgt tctagaataa gtaatcatca ctactgtacc accttgaaaa 1740
tactgtttcc agtttaaaaa taaacaataa atatatga 1778
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<210> 506

<211> 614

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AF100470

<400> 506

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ggggcagggtg gcgccgcgaa gatggtcgcc aagcagagga tccgtatggc caacgagaag 60
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gaaaaggcgt cggtaggacc ctggttattg gccctcttca tttttgtcgt ttgtggatct 180
gcaattttcc agattattca aagtatcagg atgggcatgt gaagtgactg accttgagat 240
gtttccattc tcctgtgaat tttaacttga actcattcct gatgttcgat gccctgggtg 300
aaaaacaatt cagtaaatca ccctgcctca gaatgacttt ttcatatcaa cttcatgtg 360
tcattccaag gtttcttcaa gagtcattcc aggtttgcta gtccatgcca cagtgccttg 420
caaaagcacc acatgaataa agcaaataaa atttgattaa gttccagtag tagaccatac 480
ttattcagta cagaatgagt tttatgtggg tattaaaact tatgactaat tagattaaat 540
ctgtgtagac agggatatag ttttgtaaac ccttaatgtg taaatgcaat tagctaattt 600
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aaatttgga cttta

614

<210> 507

<211> 466

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI007803

<400> 507

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gaggcagcca ggctttcccc atgccgccca ggtctctcag ggtgagagca gaaacaacat 120
tttaaaggat gaggccattg tcacgccctg ggtacaacaa ccagggaat cacaagaatc 180
attgaaaaca ggaactcttc taaaatttca atactacact ctttaaaaaa aaaaaagaat 240
gaaccaaaga taccaagcgg tagctccgag gaccttgggc accctgtcca ttatgagcag 300
tggtgtccat agacagcccc tggtaaacct tggacttggg tatcacacat tgccgagggg 360
agacttcttg tctgggtcaa aggtccttgc ttagtgaggg tccagtggt gtccttggcg 420
gactggtgaa gggacacttt ggtaggaaga acccttaggg gaagac 466
```

<210> 508

<211> 569

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI007824

<400> 508

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cctcactata gggaataagc ttgcggacgc taaagttttt tttttttttt tttttttttt 60
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tccgaggtca ccccaaccga aatttttttag ttcataattt ttttgtttta gccattagg 180
ttgtttttat ataagttgaa ctagtaaat gaagctccat agggctctct cgtcttattg 240
ggagattcca gcctcttcac tggaagggtc atttctactga ttgaaagtaa gagacagttg 300
aaccctcggt tagccattca ttctagtccc taattaagga acaagtgatt atgctacctt 360
tgcacgggtc ggataccgcg gccgtttaac ttttagtact gggcaggcaa tgcctctaatt 420
acttgttatg ctagaggtga tgtttttggg aaacaggcgg gggttcgtgt tgccgaggtc 480
cttttacttt ttttaattct tccttaaagc acgcctgtgt tgggctaacg agttagggat 540
aagtaatttt attgttgggt tagtaccta 569
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<210> 509

<211> 635

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI007877

<400> 509

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cattatatgt tttaacaatt tgaacaactt tacaagttac tgttattttc aattctgagt 120
agaaaggtaa actccaagca agacaaagcc aatagaggct taagttcatc accaacaagt 180
ttcaacaatt taccctaaat ttactgttaa acagtacctg gttgaagaca caagctgcgc 240
cttaaataag ctggagcgac tctgggatgt tatgaactta accttgaaag gaagaaggta 300
taggaacttc tatttggttt ggattgtaag aacagacaaa ttacttacag aaactgaatt 360
acttcaatac acatgtgaag acatagaaga aaacaataaa aatttacaat ccaatcagga 420
tataaacatc ttttatatca tagaagttgt caattatcta tgcacatata gtttagatatt 480
```

```

agcagtaacc aaacagttgc ttataagttc aacaaaatta cagatgtttt tcagcatttc 540
atagccacat cgttgggaat gggttgttga gcttcctttc actttaatga gtatctggga 600
taagcaactt ataaagacaa aagctttatt tttagc 635

```

```

<210> 510
<211> 496
<212> DNA
<213> Rattus norvegicus

```

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<220>
<223> Genbank Accession No. AI008160

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```

<220>
<221> misc_feature
<222> (1)..(496)
<223> n = a or c or g or t

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<400> 510
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ttatgctccg ccatcttatg taaattctct ggaacgttct tgtaaatacat tttcctaagt 180
tcgctcactg agaatgattc ctcaagggtt tcacggaata cggtgataat ttgttcttct 240
cggttatttc ggtgagaaat atattccaga attttagctt cggcattatg gatcactggg 300
ccatgtcctg gatataatat gttggccttg acttttagta agtcttttag ggagttcatg 360
taatcagaga ggtcttcaaa tatcggtgtc ccttctccta ggatgcagtc nccagaaaag 420
atggcatttt cctcttcag gagtaaagcc atgtgatcat cagtgtggcc aggagtgtat 480
aagactctga gcgtgg 496

```

```

<210> 511
<211> 539
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI008396

```

```

<400> 511
aagctttaa gagctcgta tagtacagt cagtggttac aagttaaaga cacaacacgg 60
tgctgcagag tctgtctctc acgaaccctg tgcaggaccc tgagcactgt tctttgaagc 120
cagcgacttt gggctaccac ccacgttcag tgccttctca ctggacagca agcctactca 180
aataagcttc ccaggcagct tttctgtaca tctcagctgc ttccaggcgg tttgctgctg 240
cgagtattcc ccggcccaca atgatgacat cagaacctcg ttaccaacc acttcttggg 300
gactattgta ctgctggcca aggtgatccc ctctgtctc taactgaacc ctgattcccc 360
gtcaccctg gtcaccatgg tatgcacggc gactaccatc gaaagttgat agggcagacg 420
ttcgaatggg tcgtcgccgc cacggagggc gtgcgacgg cccgaggtta tctagagtca 480
ccaaagccgc cggcgcccga ccccggccg gagccgggag ggggctgacc gggttgggtt 539

```

```

<210> 512
<211> 454
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI008504

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```

<220>
<221> misc_feature

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<222> (1) .. (454)

<223> n = a or c or g or t

<400> 512

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aggagacagc tggtttattg acatagctga ggatccccac tctcatctct gggactgaag 60
ctccacccag ggctgggaaa ctcaccagtc accagccacg gctgggtggaa atagccagag 120
atatctgtta tcacaggctc tttgggcggg atgggacatt tgaagtcaga acctatgtct 180
ggtgcattct tagatctcaa aggagaaaga atacagcata ctctatacca gcaggtcacc 240
caaggcctcc tgtcctggag ccctgacta ggtcgttcct anggtgctag cagcatgaag 300
ggagtgggca aatctgtagg caaggacatc aggctggcca gccgagagct caggcccatc 360
ctgcagttag ggcacagcac gggaatgtga acatagaagc aagcaacaca ggggagagca 420
atggaactgg ggcctaggac cctatgggac agga 454
```

<210> 513

<211> 570

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI008699

<400> 513

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cctaccatca gtttattgaa ggaaagtgc ttcctgggtg gctgctggcc ctcagcatgg 60
agaggctggg cagccctatg ggcaggagca gttcagaccc tggcccgtaa cagccttagg 120
gacaatgcaa ggtaggcata gccagggtgt tttccagaaa ctctctccag tgcccagcaa 180
ggcccacagc tccttggtgc caagcagggc cttgtcctat ggtaaggaag caggaggtg 240
acggtgtcaa agtggcctct cagttggggc actgctcttc agctgtcagt gtgagctccc 300
tgccaggcag tgcagggaca agcgagttca aggtccacag gggctccctg cactgagacc 360
tgggaggagg cagccttggg aagaagatgg atgcctgcct cttgctggcc tgggtccccc 420
ctagtccagg caaggctgag aagtctggag gtggccatgg gaggtggtct gcagcccaga 480
cttgggcagg gcattctatgc tacacacgct cgggctccgg ttcctcttcc tcttctcct 540
cttcttcttc ctctctctca gcacagtggc 570
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<210> 514

<211> 448

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI008773

<400> 514

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ggatgggtgt tcacatgcac cttgatggat gttttgttga ggggtgtttca catggggctt 120
cgtgggttgg gtctcaccgg ggagtcacg ggcagggttg acgtgtgatg gcctggctgg 180
tgggtgtttc acgtggcatt gtggcagatg tttaaactat ttgcacgacg ggcagttatt 240
caacgtggct cttgtatggg gctccggagg tctagtgcct cttgtggctc ccctgggtag 300
gtgtctcttg cggctctcatg gccacgggt gtccaggcgt ggcgttagta tgccagggtg 360
ggcaggagcc agcagtgtct atggcagcgc agctggtgac cgtagtctgg ccatttgcag 420
gtgatctccg tgggtggactt cggacaaa 448
```

<210> 515

<211> 479

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI008787

<400> 515

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aaaagtcaag aacttatttt atttatttta aaataaacat tgaagtttcc ccattatcca 60
ccaccctaca aaactttgaa tgtggaatgt tcaacagcct aagcagtttt agtaggctac 120
aaaaccagca aaaaactcca gttgtcta atgatgaatgc tgagaatagt tgttttgagt 180
ggctgattac cggcttgga aaaaaaagt ttgcaaaagg ctaaaagtaa aatttaattt 240
ctttacagaa aatagcatta aggtggttaag tagcctttgc ctttaacaag tggaactgat 300
tctgcaaggc gtagatggag tgggacaagt ggcattcagt tcacaggcac acagctcgtg 360
ctcaaactgc tagcacagat cccagcacag gacatctggt taggtcactg ctgaactttg 420
catctctgtc aaacggtaca ctctctttat gcacctacgg cagagtcaac actttgagc 479
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<210> 516

<211> 444

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI008813

<400> 516

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acagatgtgc atatgcatac acaccatgac agtgctctgg ggccggggac aagggtcaagc 120
tcttctcaca gacagggatt agaaagaggc tgcttctgga tcctaaggct gtggtccaaa 180
tcaggagaga agccatcgat cccaagccag ggtgtagctg acagtgtctg ggtccaagtg 240
ctctgctggg aagagctggg gctgacagag ccaagactgt cccctccct accctggact 300
ggtggtcagg tccagcccta ctggaggcag gttctcaggc tccttgtggc ctcagcctag 360
agaccctgag tacttcttag gccactaggg cccttttcca tgctaggcac atcagaggac 420
aactctgcgg tccaggtgat cccc 444
```

<210> 517

<211> 478

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI008838

<400> 517

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aaaccgacat ttctgtaatc aacaacaact acttagacag acccactgct gtctgattat 60
gtccataggt caggggtggt ctgcttacgc atttggtgcc tcataattaa gttcagctaa 120
cactagggcc tatagtttgc tgtcagtgag accaggtctg gtcttgacag taaagccacc 180
atcaaaagct gcattgagaa cttcatccag gcggacagtt gtacttttgt tccaaggaag 240
ctccaccata agttccaaat aatttctagt cagagcatat tcaggcattg actgagggcat 300
ttttttgagt ctttttatct gcttgacaca gactttatga gcctgttctg gcatactaga 360
tgttcttatt tttttctcca gcatgacaat gtcattatta tcttctctt gctcttcac 420
ttctaaagct cctgggatgt gtgtaatcct ctgatggggc gtattgctat aacccttt 478
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<210> 518

<211> 467

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI008919

<400> 518

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gctttgaaaa ttgatttatt tattcattgg ttaatgtacc taacaacatt gtaaaccaag 60
gccaggatat gctcctgaga tatgtgacta gatcctgggt agcctcggcc ctctctgggt 120
gctagcccta cccagagctc cctccgcttc atgaaacgag tccgcaggct gggcgaggcc 180
tcattccgag gaaaaggcag tccccgcaag ggcctggagc ttccttcccg aattctgggc 240
agcctgtaac ctggctcaca acttgtgtgg ggtcaagagc tgctattgca aggtcgctg 300
tgcttggtc tttcccctgg ctcaaagtgt tgccaaacct atggccacct tccctggcaa 360
cctggtgccc cagggaagag gaagccactg cttccattac acgccttcac agcgaagggc 420
ctgccaagcc cttgctcatg tcagtaagga gactgcttct caggcac 467

```

<210> 519

<211> 486

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009026

<400> 519

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aaagaaatth gaagtcttta ttgaaccaat tgcattgttag gttacaaagc tatttcactt 60
ttccaaaatg ctgtttctct ttgttagacca atctggccac aaaaggctac ctggctaagt 120
attagccaga aacttctaaa tcccagtggt atcttcttgt ggcatttttc caacaaataa 180
tgcagaccaa atcacaagat ggccacctca ctggtcacat ggtccttagg ttaatgagca 240
gaggctgaca ggctgtctcc tcaactctcc aagaaccgcc cccaagtgca cactgcagaa 300
ggaaagtttg ttttgaatac cacaggacag aaggacaggc agctcataac tccagtggaa 360
aaacatatag gagagctgag tggcaacagc aggcactgtg ataacctggg ctgtcaaagt 420
ctctccgtta ctctggcatg cagttggaga tcccatggct atgagcagcc acagccccct 480
cgtgcc 486

```

<210> 520

<211> 630

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009096

<400> 520

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ccggctggaa ccatggaggc tgtaccagag aagaaaaaga aggttgccgc tgcgccagga 60
acccttaaga agaaaaaggt tcctgcggtg ccagaaaccc ttaagaaaaa gcgaaggaat 120
ttcgcagagt tgaaggtcaa gcgcctgagg aagaagtthg cctgaagac actgcgaaag 180
gcaaggagga agctcatcta tgagaaggca aagcactatc acaaggagta cagacagatg 240
taccggactg agattcgcat ggctaggatg gcgaggaaag ctggcaactt ctatgtgccc 300
gcagaaccaa aattggcctt tgtcatcaga atccgaggta tcaatggagt gagcccaaag 360
gtgcgcaagg tgctgcagct gctccgtctc cggcagatct tcaatggcac ctttgtgaag 420
ctcaacaagg cttcagttaa catgctgagg atcgtggagc cctacattgc atgggggtac 480
cccaacctga agtcagtaaa cgagtcatac tacaacgag gctatggcaa aatcaattaa 540
aagcgattg ccttgacaga taactccttg gttgctcgat ctcttggtaa aattggcatc 600
atctgcatgg aggatctaata tcatgagatc 630

```

<210> 521

<211> 458

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009115

<400> 521  
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 aatggccctc caggtagccc agtctcttct tggaggggccc tggagcagggt aggtcactgt 180  
 aaacagagca gtaaggcctg tgggtggaag tgtcggtcgg tgtcgtctgc agcgcccaag 240  
 ctgaccttga gctgggctgc tgctagccca atcctgactg aggacccttg tctatataaa 300  
 atgttattgc tggataaacc tttctcggag acccggggca gtcacagact ctgggaaact 360  
 ggggtgctggc acccaggggtg ctttcagtgg cctgtgggtg agtttatgct ggcactggct 420  
 acaagggcc cgtgtcccca atacactatg gtaatgag 458

<210> 522

<211> 358

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009321

<400> 522  
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 tgttgaacag tgaacttgcc taggatcctc agcacttctg agtgaggagg aaggaggaag 120  
 gaccctaaac gtcaactgcg ctgggaacac tcagaattct caacagactc tacaagccag 180  
 gacaaagctt atgcattgaa tctactgagc gcttaatttt tggcatctct ggaagccagt 240  
 cacgcaactg ctcaagtatc agaaaatact taaaatgtac tctcgggtata taaatacaat 300  
 cttaaataatc tttattttttg tttttattgc tatagaaagt gctctacatt gaataaaa 358

<210> 523

<211> 408

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009338

<400> 523  
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 ctgcatgcgt tactgaacag gaccagttgc cagagccctt gacagagaag gctttgagag 180  
 aagccagctc tgccatcgac accttaggcg aagccttgggt ggctggggcc tattctaaga 240  
 tgtggtcctg ccgagaagat gcaactgctg cattgtacaa gaggctgatg gagatgcctg 300  
 ttggaaccca gaaggaagat ttgaaaaaca tgctcagagc atctgtcttt ctcatcagaa 360  
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<210> 524

<211> 487

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009341

<400> 524  
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 cccacagagg aagggaaga gtacaggag tcttgacac acacagacgc agccacacag 120  
 gatgttgagc agaaacagcc cctaacaggc aggtgagcaa gaacagaaac accagggagg 180  
 tggccctctg caagtgggccc taagccacat ctactgccaa gcacaaagtt caaactgatt 240  
 tgatccaaca gcatgactac ttttagaaaa gcttcattta tgtcagtaca tgtcaccgag 300

aactcattcc gcctatggcc tgttcctaata ggcttctaag gaagaaaagg acttgccttc 360  
 agtgacagca acacaagctg ccattagtca ggatggcgtc ctgactgatg gctgaaggct 420  
 caccatccca ggtcaaaatg gtctgggctt gcactcccca agttgaactg ctcttggggc 480  
 tttgcat 487

<210> 525

<211> 485

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009481

<400> 525

aaaggagaac gaaaccaata ttctttttat tattttcaat cgtaatcata acaaaatagc 60  
 actaaaaacg aaatcatgtc ataacttaaa ctcaagacaa tgtgtaaatg ccgcctcccc 120  
 tgggtcaatga atatgactgt gctctacat gagccaggca caaagacacg gagctcctcg 180  
 ctctcccgtg aagcctcagc gcttcttcca ggtaaacttc ctccgggcac cctcctggcc 240  
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 tcctgctgc gctgatctcc ctccccaga gactgtgcag gtaacatcgt gcttttctag 420  
 ccggtccagg aagtggaaag ggaacatcaa ctgttctctg tcctgtaaga tgggaaagta 480  
 aagca 485

<210> 526

<211> 511

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009492

<400> 526

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 attttcaatc atctttcttt cttcaagtt taatatcctt taattgggga gagaaagaag 180  
 tccattttca tcagctgtat ctagaatttt acagattact ggagattcaa cccaagaat 240  
 atactggcag gagtgaggct caagcatata tacagtaaca gcatgaggag aatctgattc 300  
 ttacacttt agttttacag tcacctgtct gggtttgtca gttatatcac aaatatcccc 360  
 atttccataa aaatgtgaca ccacctgac tgtctgggtg ccctcgtctt gaagatgata 420  
 agctctagca gtgtttttct tagccactc aacatgctct tcttggttcc atgtcccccac 480  
 aactacagaa gttttcccat tatctttggc c 511

<210> 527

<211> 634

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009654

<400> 527

ccatgggaaa caacttttta atagtaacaa attccaaata ctttttttgt gagtacaatg 60  
 ttatggttta ataagacatt acaaaatcct taactttgta aagtattcga ctgtataaat 120  
 atcaaaagaa tcccctcctg atataaagtt tagtttctct atcatatcaa aataaaaacg 180  
 taccggtttt ctaacactga gaaatgagag aacacaacaa aatctccata cacaccatga 240  
 gcaagtatct caaacaactt tagtacagtt aaagtttatc ctctgctttt ctaaaacgca 300

```

tgatttttcc taatttaata acatattaaa aagagaactg gagggtagaa gacacgtgtt 360
catccgagac tgtgtagacc tcaggcattc acatctctgc aagtgggaca gagtagtgtg 420
cgagagaata aacagaggta ctttcttggt tgaatccagc ttgcaaggag aaaggcagag 480
actgaaaaac aactgtttca tgagttagtt cagaatcctg tcaatagcat ttttttttcc 540
ccaaaatacc aaattccaaa tattctagtt ctcagctttg accttttggc aaagttatca 600
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<210> 528

<211> 495

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009676

<400> 528

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caaatcattg gaaatattca acaataaata aaacagcagt ggctgaggaa ggcagatttg 60
ctaaccatcat tggaaatgcg ttcagaccaa tcaggaggat gacaagatgt gggcaggaga 120
aagcaaagtt taaatgggca atgctgggcc acaggaggca aggaaggaaa agcttttggg 180
cagaaagtgc ttggaaaact ttggctctga aggagacttg ggaaatggct aaactgattg 240
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ggaaatagtt aaagtgattg tgcaagggtc tggggtggag gcaggagtta cccatgttca 360
cccagtaggg tgtgcaagat ccggattaga ctctggagaa agggttaaag ctggtgccat 420
gaggcagact ctgggcagga agagtcaagg aacaagctaa atgagcagaa gggttaggga 480
ggtaaggatg ggggtt 495

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<210> 529

<211> 500

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009677

<400> 529

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caacacctaa agcatttatt tgaatatctt taaacttttt acatatgata cattccaaat 60
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tgatatggaa agcatgttat ataaacatct ctacaacaaa aacatgcggc acaaatgaaa 180
ggaagatgtg tgggtaggag aggagcaaac aggacattgc cacagtgtga gtgacgggtc 240
atcgctctgg gaagtcattg cccagaccga cattcccagg agtgaaagaa acacaggcca 300
ccctctgcta atgccaggct cctgtggagt caggcctgaa ggcggaagtg cagatgttta 360
aagcctgctt ggaagaagca agctgtgctc atgatttttt tcttcctttt gggctgaacc 420
cgggacctta ctaatgctag gcaagtgtct tagcccgggg ctcaagcctc gagatgttcc 480
cacaactata catttaagcc 500

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<210> 530

<211> 547

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI009752

<400> 530

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aaaattataa aattctttta tttcaattat atgacacttc agtttgcctc aaattttact 60
gaggtttttg tcatttttgca ttccactcta ccttgtaaca gtagtatgaa ttcacatgat 120
tctgtaacgt gtcaacagca gtcatacagt aatcctctgg tgattgtata tgtgctaata 180

```



```

cttttagatt caactttaca gttatcttct aaatgattct ttatatagaa aatacatact 240
tccttcaggc agataaaaca acaactttcc aataagaaaa atatcgagaa acaacaaata 300
aaaatatcta taccagatgc aaaattttga attattacct aatgggtccc tttgcacaag 360
aacagccttt tgtaattttt aagtagacat tcaggcagaa ggataacttt aaaattgaaa 420
aaaaaaataa tggctgtttc tcttcagtac taaagtagga aatataattt caacatgtca 480
ttagcagaga agagtaaaaa ataaaatatt cgatataaaa tgaatttatc acatcacccg 540
catcttt                                         547

```

<210> 531

<211> 383

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI009825

<400> 531

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gccttcataa gaatttttat tattatttag aaatgcagtt atatacatag aacaattaaa 60
attaaattaa actttgtaca aatattaaaa tactatcttc ataccactg caatgtacag 120
gatacaaaaa aatatatata taaaataaaa taaagcaaac ccagattgac atcctgcaca 180
gtcaattaag catgtgttgt tttaaacat gacgagtacc attctgcaaa ggatcccata 240
gtggtgcaca gcctcaagaa gccaggccag tatggatata gccatgcaac cctcaactac 300
ttcctctccc tactccgcat tccccacggt gagctctgct actgggagag gacagggtag 360
ggtgtgtgtg tgtggggggg ggg                                         383

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<210> 532

<211> 104

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI009950

<400> 532

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ggcaatgcac acctttaatc ccaggctctg gcataggtaa tgagtctgaa gccagcctgg 60
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<210> 533

<211> 610

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI010050

<400> 533

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atgctgctct caggacacga aggggaagtg tattgctgca agtttcaccc caatggatct 180
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gacaactatg ctacgttgaa gggacacagc ggagcagtaa tggagctgca ctacaacaca 300
gacggcagca tgctcttctc agcatcaaca gataaaactg tggcagtgtg ggatagtga 360
acaggagaga gagttaaaag gctaaaaggg catacttcct ttgtgaactc ctgttatcca 420
gccaggcggg ggccccagct tgtctgcaca ggcagcgacg atggcacagt taagctttgg 480
gacatccgga agaaagcagc catccagaca tttcagaaca cataccagggt gttagccgtc 540
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tgggacctac                                         610

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<210> 534  
<211> 491  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI010083

<400> 534  
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ggttggtttc tgtgactgat ataagatggc ctgcccctta ccaatagtgg aagaaaggct 120  
aaccacccct agcccttgta ggaaaggctt atctggaatc acaccacgtc atgtgtagag 180  
tacaaatttc ttctggctgc tcaaagctgt ctgccagaaa actgggccag tgctcacttc 240  
tgcttagaga aatactcttt actcttattg acatcaggct tgatgggtatc actgccaggc 300  
ttccagccag ctgggcacac ttcacatgt ttgtcagtga actggaaggc ctggactagt 360  
ctcagaatct catccacaga gcggcccaca ggaagatcat ttattgggtat ctggcgaagg 420  
atacctttat catcaataat aaagaggccc ctgaaagaga taccttcac cagcttttaag 480  
actccataat c 491

<210> 535  
<211> 478  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI010147

<400> 535  
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tacaagaccc aggctatgca caattccagg cttggaggct gcaggggaac actgcctcta 120  
gggctgagga tataaagggt tcagaaagaa tgaaacatga gccctgggtt tgcaatctgc 180  
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gaaagggagc cagagtcctt cagtcccaga aagcgaacac aggagagagg acagcccgc 300  
gtccccaatt cttcagtagg tcaagacaag gtggtctgct gggaactaga cacacctcta 360  
atccaggagg aagtggctgg aaggaacaga ggggctccct ggtcccacct tccctccatcc 420  
tattgggcac ctttacctag gaaccctgcc tgttggccca ctgcactctt aggtttga 478

<210> 536  
<211> 494  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI010316

<400> 536  
aggggcagat gcttttaatt tcagcgctgg ggaggcagag gccagcttgg tccacagaga 60  
aatcctgtca acccaacccc cccccaaaa aaaagaaaag aaaagggaag atgttcgaga 120  
cttaagggcc ttgataggga gaagttttcc ccatggaaag aaagggtcag cagctttcaa 180  
aaggcttcc tttatcactg tgtgagttgt aaaatctctg ggtactcttc aaagggtccc 240  
tggtcctact ataagacttg gtgtcactgt cttcaggctc aaaaggaggg ggcatgaaag 300  
aaatatggac tcttctgggg gtgacgtct tggatgtttc tacaacgtac tgggtgcccac 360  
taagaatgcc acttcatta ctgaccccaa aagaagacaa ctagtccctc cccacactga 420  
ctccagcttt tggcctcctc ttgccagcct tctccctctg cgggtcacct atttgggaca 480  
cctcttatta atac 494

<210> 537  
<211> 152  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI010461

<400> 537  
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ctataggaga ctggaatgaa ataatttta gt 152

<210> 538  
<211> 590  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI010480

<400> 538  
gaaaaagaaa atcagactgt tttattgtca ttatcaacag cccatagttt ggaagggatg 60  
ctgatgctga cacaacaccc tccaacaagc aaattagact ctcaagtagt tcaatgacat 120  
gatgctgaat aagtttagat gctgctgctg ctgctgctgc tggaggctcg aggctcacac 180  
tcacttcacg ttcttcacaa agtcctcgcc tttcttgatg gaggctttca gctcagggat 240  
ggcctcgga atcattttct cctcaaaagg agtgattttg ccaatgccta ggttcttctc 300  
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ctgaacaaaa gagcactcga tgactccttc cttcccatc atggcgctca ccaggagaa 420  
gacaaagcgg gctccagcat aagccatgga cagagtggca gagcctgctc cagccttggc 480  
cttcacgact tcagtgccag cctcctggat cctcccggtg agtgtggcca gctggtcttg 540  
gggaaagtca accttggggg tacactgaga gatcagggg atgatcgtct 590

<210> 539  
<211> 477  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI010568

<400> 539  
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gtaccaaaaa tgacattctg ggactgattg aggtatttag ctatttttgg ctatagcaac 180  
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taggttctaa attgatgata cttcatatga actaaatcat gtaccattg gggaaaccat 300  
agcagcaagg tatcagaaaa aaatctatta aaatctacta cagaataaca cagtgaacct 360  
taaacaccca agtctaaatt tttcactgtc tctcctgcat gaaagagatt taaaaaccac 420  
taaacattaa ccctgtttcc ccacaaaggt ctctgcaaaa tggtaaatat cattgaa 477

<210> 540  
<211> 464  
<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI010618

<400> 540

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cagctcaatt cacacaatga agacaccccc acccccacat acacaatacc actagcctgc 120
gtgccaggct gtctgacctt tgcttggttc ctggtggagc tgcctgaaga cagctctctg 180
taaaaacctg acttggacac aggggacaca ataaagggga ccttagccgg agaattaact 240
gaggggctcc cagagtcctt ggtggtgatg gtttgagagc catggggtca tgctgcgaaa 300
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ctcttctaga cagagagttt agaaacacac tgaggtaagc caatgagtc catcaaccaa 420
gccacatata aggagggccc agagcagggg atctgggtgg tggg 464
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<210> 541

<211> 417

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI010660

<400> 541

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aagcgcagtg acgggggttg ggtggggcgg ggcgggcgga gaggggacag acgggctggc 120
tgcctacttg cattccgcta ggacactgaa aaccagaaa acaaacaga cagtaaaacta 180
cccttgtttc ttatgtatct cagtgcagag acgggggagg gggttggagg gcagagaagg 240
gagaccaggc tgaaagagga gcagagggaa gggacgctaa ggggaagcac accaaatcca 300
ttagtactat atatatagag atactcgtat atactgcgtt tcttagccta agaagaaact 360
tgtttgacgg gacgggcggc ctttgcggtc cgcgatgctg gtgctgggtg ggcgcac 417
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<210> 542

<211> 412

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI011471

<400> 542

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aatagtgggt taaattagag acacaacagt cattttattc ttgtattatg aaatacgaag 120
taggaaatac gaagacaatc ccacatgtct actgaaactc ttgtggtgat aacgattggc 180
cgtgaagaac ggcagtgatc ctgtttatga agttcaagtt gtcatacgtg ctttaattgt 240
tttttttgca tattaatcaa atgctcggcc ttaaaagcac tgctttcttt gcatgcggtg 300
tttagaaaac tcagaggcca caatccgtca atgtaaactt actaagatta cttatctttt 360
tcaaactcgt taaaaacgat tcacctctta tttctgaaga ttaacaacat ct 412
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<210> 543

<211> 661

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI011503

<400> 543

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caaggtacaa aaaaatttat ttaaatataa cattttcaac aaattgatat tcataactgt 60
tccatgcata tgacgttttc ttgaaaaaaa atggaacaga gtagcttaat gtctgtgata 120
```

```

ctgttttcacg agattatttaa tatacatccg ggactgggca ccagtcaatc atatcaacaa 180
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acgtgattttt ataataagac ttcttgggtg ggggaatctgt caacaatata aaatataagg 300
tggacataat  ggcagaatat aaaaacacat ttcataagagg caataatata cacgtgtcca 360
aggacaggca agagcctgtt agctcagcgt taggcatgtt ccttcaaagg agctgtaggg 420
gatggaaatg tctgggggtgg gacaagctca gagacatctt tgggtgtcac agtatgtttg 480
tttgggacag ccaaaggaca gtggggtagg tgaattgttc tgctgcatcc acttgaggaa 540
caagaaccaa gttcccttca tggccagggg aatcatgtct gggattccga gtgtagggcc 600
ctttgaatta ggggccagtt tggacggagg ggcaccagac agcgggaagg gagtcatcct 660
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<210> 544

<211> 689

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI011510

<400> 544

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gttgagaaac aaacagggtga catttccaat cgtttatctg aaatccacag ggattagctc 180
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aagtgcgtgg cagttcggtt gattaggaat gagaatccag tgcgcccggc acctccctcc 420
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atagaaccag cagaatcggg acatttgcag tctagccctg ctccctggga agcaacatgg 540
accctgaaag gaagcaggac agagccggcc tgggtactgg gcctgcccct gagagtgatg 600
agggtagccc ttggtgacag ctataccaac ttcattgcgga cccctggcaa atgtccttga 660
aaggaaaccc cacatgctct caagccact

```

<210> 545

<211> 426

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI011678

<400> 545

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cggcacgaca gactttattt tggcacttaa acaaatttgc tttacagcag tgacaaaata 60
tttgccagta ttttttcctt ggcatagata ttccaagcaa gtcattctac aattaggggt 120
tactgtttt gcacagttag aggtataacc actacattct cagcctccgt gattgagggc 180
attgtgcagc tttggaaggg cccatcattt cctcttaatt ctaaataagg tgaattacgg 240
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acttttagtt tgtttgaatg agttctgtga caagcccagg gaagggtgctc aaagtagtca 360
aactttttatc gaaagttgac tgtatgttgg aaaagttgcg gttcttgctg tcttctttct 420
acttcc

```

<210> 546

<211> 439

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI011734

<400> 546

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tttgggtatg gtaatggtct ggggtttgtg aataactgag tcacagtcag gcctgggcag 120
acaccatctt gctcatgcct gagaaatagg ctttctctct ctgctcatc acttcgaagt 180
gtaagggcct cctgcagaag ttgcattcag ctgacgaatg tggcttcagt tccagcccga 240
ctcgttcca cgtgagcagt tttgagcata gaacagcaga gatttccttg ctttctgcag 300
aaaggcctga gggactcggg ataagaatgg gcattctgca acgacagtct ccatgtctgc 360
aaagtgtccc gggctctgcg cgggctctcg acgagacggc ggtgggcact cgagcggagg 420
acgctaaacc gaccagtgc 439
```

<210> 547

<211> 468

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI011746

<400> 547

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cagagcccac aaagcccagg gggcacaaaa gggaaccccc tacacacaag gggatcccca 120
acctgccgcc ccacctggca cacagggtcaa aagccccctt ggggctggta tcaaacttag 180
cttaatcctt cttgctcccg tgttgcctggc tggggaactt ttgatgcacc actcggaggg 240
tggtgaaaaa attgccaaag aagaggaacg gaagcaggaa ggtgaggcct ttccacatcc 300
aagactgaaa gccctccaca gggaggtcca tgggtgtgtca ttcgccaggg gctcacaggc 360
ggtaagggca cccgttctgg tagtaatact gcaaaaactg cacaaaactc tgggtacatgg 420
agaaagacag gaactgggtc cggaacttct ggtacatgag tccatttg 468
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<210> 548

<211> 373

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI011809

<400> 548

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gccctgtcca gtaagataca gtacaaggag tggacggcac gcgcatgcat ccacactgag 120
ctacagtgac tggggcctgg tgtccacaga aaccttaaga gggtagtgga cagttaatgc 180
tggtagagac tcgaggccag accagggcca acagacaggc ctatacttct ctgcctaaaa 240
atgtggaagg ttgcatgtgt acagttctcc aagttcgaaa ctacatctgg tgctacccat 300
cactgctaag ggttactcca tcttgcccg gacgagcgcc tcggggtcag aactcaggaa 360
tgtctgggtc agt 373
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<210> 549

<211> 511

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI012085

<400> 549

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caagggtgctt aaacttaact tcttggtttg ttttggtttg ttcttgccat ctggagcaat 120
cgtcctcagt accaccactc tctagcccat cccatacccc ttcctactgc tgtgtgggac 180
tgaacacagt tcacagccca agaggtagac aggtccttag tccagctttg agtgggaagg 240
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cagccatctg agtagcgtcg agtgacacag atgacggttc cttcagaaaa ggagagctca 420
ttgtccttct gccgggtgta tgggtacagc gtcaccactt tctccaagta ggcagcaggg 480
accagctgg gctcatccgg tccaaaacct g 511

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<210> 550

<211> 322

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI012130

<400> 550

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aattcagctt ctggcttttt tttttctcaa cctctgagca aatcaactag tccaacccag 60
agcgataggg ccatggagca gcttgggcca gcacgaggga aggggttccc tcgctggcac 120
tgttttcagt gaaactgccc ttagctagaa ctgctgaggg gagagagagg tgaaggcagg 180
tcgcagagga aaaggagcag aggccagata caggaagaac agacctgttt aatgacacag 240
ctgggtctgg ttacaaacat cagaaactac aaaaagacag gcagttacag gaaggctgcc 300
tgagggtggg accagagggg ac 322

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<210> 551

<211> 484

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI012174

<400> 551

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tctcgcgaa agcccgttc tccaccagct tcactttgta tttgcgcttg aacttggtc 120
gttcccgggg ctcaatcata tttctcttct ggaagctttt gaacctgtct cggagaatgt 180
taccttctgg cttcagtttc ctgagttagt cagatagctc agagctgagc tgcacatcaa 240
tgtcaggggc ctggtacttg agccgtccca gccttcgggg tttgtcagcc tctgccagtc 300
gccgtatgcg ccgctgctcc ttccggcggt ccagctctgc cagcctccgg gccacctggg 360
ccttgatccc acgtagcctg aagagttctt ggtgctgaag ccgggctgcc ctgagtgag 420
cctgctgcac ccgcagcttg cgagcagcct tctcccgcgg ccgctgctgc tctgtcttct 480
tctc 484

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<210> 552

<211> 398

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI012177

<400> 552

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gctcaagcac aggacttgag gtgtgcctgg accttcagcg tgcattaaag aggctgaggg 60
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tggtaggagc tgtctagagg cgatcactgt gataccgggg gatgttaccg ggaataccat 180
ctcaggagag caaggcaaga gaggtaatgg acacaacagt ggttttccca tgcccctagc 240

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accttcatgg agaccgcagg cttggaaaac aaccacagag ggaagggatg ggaaaaatgg 300  
 ctgcccagga gtcttctcca ccctggctta tcagaccca tccctatcac acagcccctt 360  
 caaccacttg aaaatggagc aaacagaggg agcaaaat 398

<210> 553  
 <211> 385  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI012215

<400> 553  
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 ccttcgagaa gagacctggc ttctagaagg gattttccat aatcctacat aacagaggag 180  
 agccctgtcc tctatgacaa ccaggacttg acaccgtcga cccggctctc cagctctgag 240  
 tccacgtctg agtcaccctc aagtttattc tttcttttct gacattttgt caccatatcc 300  
 tgcaaactgt tgacaaagtc ctcattctca tcactctcca tctcatcctc aatggcggct 360  
 tgcaagtcct caatgcgttt gaacg 385

<210> 554  
 <211> 636  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI012235

<400> 554  
 caaggacagt gcccaaccatc acaccagtca cagtacgaca aaggaaagga ccaagtacac 60  
 atttacatat ttttttcaaa ggcagaataa tggaaaacag actcaaagag atgaatagat 120  
 tttttttcca acattttctt tggtagacaa aagcaattta ttttaaaaat ctatccagat 180  
 tattgtcact gataaaacag ataaagccag atgtacagga aatacacatc tttagccctt 240  
 tagactgcct cagtgggaag ccagtgtgat taactcagga aacagtagtg ttctcttact 300  
 cgtttctaca gcgtagaaat gtttgaggag cacctcatga atgctaaatc tttttaaatg 360  
 tacaagcaag atgatatgtg gaatcttctt cctagatgtt catgtgcctc gtgttatttg 420  
 gggaaagggg tggtatttcc atgaaaaatt ccttgagtaa tgtttttcta cactagatgc 480  
 ttctgaatcc aaccagcggg cgggagggat tccagtaaca atgtgtccat tgtaaccata 540  
 gacgataact cggagtgtgc acacacagag acacatgact ctctgagata aatattttca 600  
 tagccaagca gaatacttta gaggtatccg acctcc 636

<210> 555  
 <211> 636  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI012356

<400> 555  
 ggatgttaaa gtagttacag caatatacaa aaacaaacaa caacataaaa caaccacaaa 60  
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 aataaaagcc actgtactgg gaggccaagc aaactgcagg catggctggg tgaggttggg 180  
 gacaagtggg gccaaagggg ggggaagtgg gccgttccaa gggctcacta tgggtgatta 240  
 acccagatac agacttccca gaaccctga ggtacaacac ctgccccaga gaagccctca 300  
 ccttgttcct ggggtccccg gattggaagc catcaacatg cccacgcctt gccttcctaa 360



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ataccctttc agtttatgag ttcagcttat tgtgtaacta aagaacctgg ccaggggaagg 420
gagagcaatg actgcctcga agcagaaggc tgggggtggc aaggcaagca gtttgtcttg 480
gagacaatgt cctcactgcc ctttaattcag acactgggta actggagaaa aacaattcca 540
cagacagatc agctgagtaa ggtggctttg agtcactgaa tctagccatg cccctgtatc 600
aagggaggct tgccttgaac cactcagtgt tcaagt 636

```

```

<210> 556
<211> 523
<212> DNA
<213> Rattus norvegicus

```

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<220>
<223> Genbank Accession No. AI012498

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```

<220>
<221> misc_feature
<222> (1)..(523)
<223> n = a or c or g or t

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<400> 556
cactcttagc cagtttatta agccagggtc tcaccgtgga tccagaaggg agaaggcagt 60
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ccccaggac aagagccccg gaagcatggc tggcggttagg cataaagaca agaggccaca 180
gcctgaatca gcagcgtcaa gggggcaggg acactggaca agaaaggatg gctctagggc 240
acctgtctca gggcttgtcc tgagcccatg ggtccaacag agcaagagac aaaggaccag 300
tgggctgccc tagggctctga ggctacagcc ggccctgtcc agcgaggctg gcatgcagct 360
ccaggttact gcggaagagc agggacaggt gcaggcctta ngtgctgtta cctgttctc 420
gttcaaagag cagcatggca agctgggtgc gggagccaag gcctcaagca gctctggcga 480
cagcgggtgat aaaggctctc gctgagccga gcgctgcatg gct 523

```

```

<210> 557
<211> 610
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI012574

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<400> 557
aaaatacctt aaaagaacag ataaagtact tgaggttaca tatccagaat tgaaaaagaa 60
tgaataaaat ataaattaat tgatcacata gctattttgc cacattagac aagtttttaa 120
aaaatgcatt tcaaaaacaa taaaaatagg aactgagaag aaaactttct ttctattgct 180
gtctttttcc ggaaagtctt cctcggagct ctaacatttc aggtttacag aaagtacctc 240
catcaatatt taaaatatac cacattttgt ttccaaatca gtccatttga gacattttaa 300
aaccagatga aataattcag tgcaaactaa agcttcaagt tgaaaatccg agaggcaaag 360
tcacgttcaa actgcaggaa atgcttctgg aactgaacaa ttagaaagtt cacattatga 420
agaactcttt gcatgtgtcc ttgggtgtgc gaaatactga gttagcaaac agacctctgg 480
aggctctggc tagggctctg tggtgtactg tgggcagagg gaaggtagaa aagggttaat 540
aattttaatt gtgggtgcaa gattaagtta agcatcaaaa tggtgggatc tgggtccaga 600
aaatttggtc 610

```

```

<210> 558
<211> 631
<212> DNA
<213> Rattus norvegicus

```

```

<220>

```

<223> Genbank Accession No. AI012589

<400> 558

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ctgccttaca aactttatta gtctgggaaa agggggacaa ggagttcctg tcccttcgtc 60
cactactgtt taccattgcc gttgatggga cggttcaa at ggtcagggga ggacagaaag 120
gccttgatct tggggcgggc actgaggcga gccacatagg cagagagcag ggggaagttg 180
tccaggcagc caggggccag gacttggtgg accagcagca ggtccagcaa gttgtaatct 240
gcaaaggaaa tctggttacc cacaatgaaa gctttgcctc cctggttctg ggacagcagg 300
gtctcaaaag gtttcagatg cccaggcagg gccttcacat agtcacacct accattctca 360
tagttagtgt agatgagggt accatatattg catcgaaggt cctccacccc atcattcacc 420
atatccacca aggcagcctc cttctggtct ttcccataaa gccctaaaga gcgaccagg 480
tgccctaaga tggcattaga ttggtaaagg gtgaggtctc catcttcaa cttggggagc 540
tgcccataca gacaagtgga cttgagcgag ccttgaagcc agacatctat ggtaaccacc 600
tcctccttcc agctctggcc ctggtcagcc a 631
```

<210> 559

<211> 467

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI012747

<220>

<221> misc\_feature

<222> (1)..(467)

<223> n = a or c or g or t

<400> 559

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agcaaagtct tttattcaaa agcttctcag caccatcgag ttatcagaaa gaatgagcat 60
cactttttct cccaccccaa cccccaacgc agagacagac gttaaagcat tcaatggggt 120
gccctagtga tgacagttga gccctgacg aggtttaacc tggcccagggt gagccccaca 180
gttcagaaca ggaaggaatc atgtcagagc cgatcagcct tcccttctcg agctattagt 240
cacatgagac aaccttgtgg aagttgaatt cagcgactgc caggtaggaa ggacagtgc 300
ctgtgcggca gcatgcagcg ttgagagttc aaatcctagc taaccctccc taatctactg 360
taggaacaag gagcccagga ctgtttgttc tccacacacc tcagccgctc atcttactgt 420
cttaccacan acacaaagac catgaccgtg gacaactaca tccaatc 467
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<210> 560

<211> 522

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI012802

<400> 560

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gggaataaat actttaaac tttttctctt ataaatatgc attagaacat ttgacaacac 60
aagctaaggg ctttgaatta acttaaaatt agactaagtc ctgcttttagc agcaggacag 120
tcagttaaaa gtccctgtcc ccgtgttcc cagtcccgag gcaccttaaa ctggtctttc 180
tccctgcgga tggccctcat ggtggtcaca gggtcggtct ctccagcgtg ctgctgcacg 240
gtcttctctc tcaactctcat gaaggggttg taagtgaact cctctgccag ggtggatggc 300
accgtgggct ccccgatggc attcttctcc ttggcccacg ccagtttctc ttgaacggcg 360
gtattgccgg gctccacatg gcgcgcaaac ttaaggttgt ttacggtgta ttcattggcca 420
cagtagactt ttgtgtctgg aggaagccgg cctaagactt caagcagcgc cttgtacatc 480
tcgtctgcgg ttccctcata gaacttccca cagccagcaa ca 522
```

<210> 561  
 <211> 615  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI013011

<400> 561  
 gatttttagga cgttttattgt tacattttatt taatttttttt gcagtaatag atgaggcaca 60  
 aatacctcct gcctctccaa cactgcaaca aaaaggacaa tagtcaagg taacagtga 120  
 attaaaatta aaagtaaacc aaagcctaag gcctgggaga aaacctggct acaatctagt 180  
 gtagaaactt gtaaaggact ccagcctcgt cttccgactg caccacttca cagatcacag 240  
 ggtagggtca cagagtaggg cgtcctgaca ggacacagcc aggtcagct cgccaggatg 300  
 ggggcctctg cccatccacc tgtgttctgc tcagctagct caaggtcaca tcttgctact 360  
 cacatgctgc cggttttcaa agctacatca tctggtcagg ctgtcagagg gacagcgctc 420  
 tccttggaac cccacactc tcctcggtca cagtggcccc cagcagcagc tgggaacagg 480  
 ttgtgtgttt ggcgtctcag cactgacaga tacatggggc acctggcaag ggatgctcac 540  
 tgtgtgtgga cctgaaaccc ccaaggaacc ctgaaagggt gctggctcct ggtactaacc 600  
 tggcctcatc ccctc 615

<210> 562  
 <211> 602  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI013044

<400> 562  
 atgtgttttt tttttttttt tttttcaatt ttaacacttt attgcaatta ttcaagtctt 60  
 tccactgtt tacaaatgtt tcattttttat gggaccttta caagtttgct ttcacaatgt 120  
 ggctctctgc cataggcctc acacaccact tgctctctgc tcgggacaga ggaggggaat 180  
 gtgcatgcac aggagcagg accaggatac acgattcgtt cttgggagtc atgtgatgtc 240  
 tgcaggctaa caggacatct acttgctccag agagccagtc cctaccagc gacaaaggca 300  
 taccacaccg gtagatatga aaacatagat gtgcacacat aacaaaacaa caacaaaagc 360  
 catcaagtcc actctgtgcc gcacatatgc tcttgggtgt gtgggcatgc aatggagccc 420  
 gatcaacctg ccagtggcta ctctgagag aaaactgact ctcttcccc tcagaagcta 480  
 tagctagcta atgagccatt ttcaataatt tggtatctgt tggcacctcg gccaccagg 540  
 ggcgtctctg agtcagactg cctgaccctg ggaatcatgt gacttatctt aatgcagcac 600  
 tc 602

<210> 563  
 <211> 476  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI013387

<400> 563  
 cacagccaaa gaaatttatt ttaaaataga aacaaacata cattaagctt taaacaatca 60  
 aatttttaac aaaagggaag aagagccatt tgatcccaga gttggtacag aatgactttt 120  
 gtgtgtgtga aatccacgta aggagcacgt ggacaagctg acatggaaat ccatcatgcg 180  
 tgctcagggtg tccactggct gccatcagac actcatacac taagagctac ccttgactga 240  
 ctgcccactg gcaccattcc caagacccaa gttcatgtgg ggtatatggt caagtgtctac 300  
 ggttccttct gaacacgaga agagagggtg ctcaacaggg tcttctttcc ccgtgatcc 360

cgccaagccc gttcccttgg ctgtggtttc gctggatagt aggtagggac agtgggaatc 420  
 tcgttcatcc attcatgcgc gtcactaatt agatgacgag gcatttgcct cgtgcc 476

<210> 564  
 <211> 498  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI013657

<400> 564  
 gaactaaata aaacctgctg tcttcagtac agagtaattt gtaacacaag tcatgtgaac 60  
 agacagaagt aatgtgaaca taccttattg ctgcattgtg acttggtgac aagattctga 120  
 gcctggctga ccatttggag caaacgggaa attctatagg ccaggacagt ttctagagca 180  
 caacaaaagt tgcagaaaat atggagaatt gcacatgggt cagtggcggt acagaatcat 240  
 taaaatttca ccacatgaat gggaaccagt aatggccaca aagaagcaga actgagtttg 300  
 caaagctgag ccatatgggt cagtgcgctc actgcaggag acagacgagg aaggacggaa 360  
 ggacggagca cctcgtcagg tgcaggact caaagtcct tatgcaaaga aggctacacc 420  
 caaacctag ggagagtcag accaaagcat ctgatgttgt atttaatgat aagatagtac 480  
 taagtcataa atataaaa 498

<210> 565  
 <211> 510  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI013667

<220>  
 <221> misc\_feature  
 <222> (1)..(510)  
 <223> n = a or c or g or t

<400> 565  
 cccttataaa caagccaaga ttatatgttt ggagcgattt aatgtgaagg aaagcacaag 60  
 agttctattc attaaataac aatccaagga catccaacac tagtagcaat ccctaaacca 120  
 gaagacggaa cggaaatcct gaggtgcctg ttaccttcca attttcgaat ctgaagaaaa 180  
 agcacatgga cctcccagtt taactcctgc ggattactac ggtcctgaag aggggcggga 240  
 tatcacggga gcgagaacac gaaaataaat aaaatcagtc aggaaccacc aaccgtagtt 300  
 ccagcagcag caagaaaagc cagtctaggg ttccttgctt ttcacaactc tctccaggac 360  
 gcaaaactct tcagagaagg ggtgggaat caaggaaatg cagcataaac atcacagaga 420  
 aggaagtgag gttgagaaag agttcagact taactgtacg gactgctgac anaegaagtt 480  
 cacttcatga aacaacacaa caccctcgtg 510

<210> 566  
 <211> 407  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI013690

<400> 566  
 aaaaaaatat ctaaattttt gtattggggg gagggagtaa aaaaaaaagc agcccctaaa 60  
 ctgggcccta ttcaatggca acttcttggt ccaaagggtt aaggaaaact ttgaggaaat 120

```

aaaagttggt tggaaaaatc caggtgtaat tgctttgtat gctgtgatgg gtaggaaaaa 180
tgaagtgaag tgtgaaggcc cctcaaacc ccatcttgc ctcaaactat gtcctggaag 240
cctggggcgg aaaaaacgcc actttcattc ctgcttcttg gggttattta ctgccacgta 300
gtgatagagg accacaagca agaaaagcga cagcccaac atgttggcga aaatggcgaa 360
ctgcacgtcc gtgatcatcc tgactagctc caccgcactc cgaccct 407

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<210> 567
<211> 428
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI013745

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<400> 567
aaagatttat ctatataagt acacagtagc tggcgctcaga cacaccagaa gagggcatca 60
gatcccatca tagatgattt taagccatca tgtggttgc gggatttgaa ctcaggacct 120
ctggaagagc agtcagtgc ttttaaccact gagccatctc tccagccttc aatagtattt 180
taagctcaag atattaatgg tccagtatat gacagagaaa catgggaaca gattttaaag 240
tggggataag aattacgcat ttattgttac tgagaggctc catagtcttt ggacagaatc 300
accatcaagc aaaagcttat ctagtaaagt tttaggtggc cagtaacttc atcaattagt 360
tctactggtc ctggcccaat tcccaggaca gttcgagagc ctggttcaat ctgagtacgt 420
ccggcatc 428

```

```

<210> 568
<211> 584
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI013778

```

```

<220>
<221> misc_feature
<222> (1)..(584)
<223> n = a or c or g or t

```

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<400> 568
tcatcagaga catttattga gcacttagag ttttaatacat tgtaaagaac cccaggcaca 60
tcttccccctc aaagggcccg tggacgtgta ggaaacactg gcaagacact ctggtgttct 120
cagaaacaaa ctagtattta agtgagaaag tgagtgtaac atccagtcca ctgtggtctt 180
aaccatagtt ctgctcttcc taatgaggca ggtatgaacc ctttttccctc cctccaccac 240
actcacgagg caattgagtc tctcattgtg acagtacatg gagaagctga cttcaggatg 300
gtttgtttgt ttttttccat ctctttcctt cgggtggaatc gggccagcct ctttttgaag 360
gagaatatta tttctttacg gaatttggcg ccgaggtaga gggaccactg aagagagatt 420
taagacagat aagactggca aaagcacaga ttgcctgcc aaggaggacc tcctaagcct 480
taggatccga ggttaccttt ctctagagac cggatagaaa tgcttgagga caggtaaggc 540
tctctccan aagagaggtc acaggcctca tgatttgcac aggc 584

```

```

<210> 569
<211> 487
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI013832

```

```

<400> 569
cctatgctgg ggtttactct cccaagcca tttcccacac tctagaagca cagagcttcc 60
acaaataagt tttttttttt aaaagccatc tctgtataga aatcagactc tgccccaaca 120
ttatcatagt ctgactattt taaaaacctt cacattttta ttacacctgt tctgtatttc 180
cccttccttc ctatccttac caaggagctc tgggtactttt ccttaacaga ccctgaagga 240
gtaagatgct gtagaagggg tgatgggctc ctcatagcta ctggcaccag cccagttgt 300
tgtgtcttgc cactgggtgg tggaccgctt ctccccacc actggagatt tgtaggactg 360
gtgcataggc aaggagagac acagaatgcg gtggtggggt ggggcaagac cccacagcta 420
caggcgtctg tatcatgtaa ccgctcgact tgagggtgac tggctgaaat caagagagat 480
cagtcca                                         487

```

<210> 570

<211> 568

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI013861

<220>

<221> misc\_feature

<222> (1)..(568)

<223> n = a or c or g or t

<400> 570

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atcaggatag aaattttattt aaatccaaaa taatatgact atagttagaa taatataata 60
attatctaaa ggaaatatca tcattggctc tgaaacagtc taacgggtgtc atttttctgg 120
agtcaaaaac atgtagtaaa aggatataca ggaagcaaaa atacagaagc aagccggctg 180
agtgaggaag ctgtaacagg agggtagact aagatactgt aacaatcgag acaggaagac 240
aagtatagca agctgtctta cctatcaacc cctgcacagt aagtcagtaa cccagaatga 300
aggaataata gcacgtggtt aacaggacaa atttccctct aatttgtctt tgtaactgat 360
ttctttcctt ttttaccatg ggttccatct ggtaacaaa acatttggtt ttatttgtaa 420
agcagagtaa ataaaatatc ctgatcagag tgctcaattt tgtttaagggt gctcaagggt 480
canacttaaa aagggtcaact gggctagtca gtgggaacca ttgggtgtgt ttgctaaaca 540
gatgaaagca gcagcattta aaatggat                                         568

```

<210> 571

<211> 492

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI013875

<400> 571

```

catgtgtttt tttttttttt ttttcatacg tcggaagcgg gagagatcag actaaagatg 60
gggtgggtata cctgggtattt ggatgagatg ctctgtggga ggctcgcagg ggattcgagg 120
gtggctttta taaaatggtt ttattttcta gctgtattta aaggggtgtt taacattacc 180
tacttcatta aaaaacaaaa acgcccctca ggaaatttag atacaattgc gctagtcatg 240
gttggcatct atgagagaga gcaactgcat tctgaatgag taaaacggac gtgtgcattg 300
taatttactt ttcctatgtc cccttcgaga ggggcaaagt aaaacaaaga aagcagtgca 360
gttggctgag gagactgagc ttgcaaagca ataggtcttt ctgtccaggc agctcctacc 420
ccttcagttc cattccattt tcccttgga ctaaaagctc tgctctgtct catttaaagt 480
cttgtcttcc gg                                         492

```

<210> 572

<211> 480

<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI013876

<400> 572  
agaactccca ctagaaatth tataaatata tatgcagcat atatatatat atatattata 60  
tatattatat ttgccacca atagattctc agcaagtctg gctgaaatga tgccatcatg 120  
ataaatatta acaaaattag tgagttttca caggttttaa atatttcctt tgaaaaataa 180  
taagttcaac ataatcaatg taattttag ctcacacaat ttaaaaagga gagggagata 240  
cctttcttag aacagtttcc agccccaaa tgtgctaagt tgctggctga gttgcagcac 300  
ttggtcaaca ctggaaagaa gtatttatgc ctctctggga aggtaccaa cactgaagaa 360  
aagagagaag agaccccaa cagtccagga gcattcctcc ggcgtgcaag gtcagcagga 420  
aagggtcctc catgctgctg ctgacactca tgatgagtc tggaagcact cagttacaga 480

<210> 573  
<211> 694  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI013911

<400> 573  
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tcttgccag caacaataat cctgagtgcc tcaacaaaaa ttctgataaa aggaaaaata 240  
ttgggaccgt taacaaatgt cttaaaatth gtcttttaaa gggggaaaag tgtttaaaga 300  
acacatggag ctttcttaaa gttctttaac aaactacctt gggagctcaa ttcaaaaata 360  
gaacttgatg tactaaaaca gacgtttcag cgcagctcca aaaatcttta taaatacagc 420  
aatttgcaag gacgatcctg gatcagaagt gttattcctt gtgtatattg tgtgcatgcc 480  
ccatctcagt tgtcataatt gtctctgtaa tttcctcctg agtagcggtc atagccacc 540  
tggtctctgc cactgtagtc tctagaccgc ccatacccat atccatagcc tccaggctcg 600  
ctgtcgtatc ttccacttcc atatccctgg tctccaccac ctctagagta gctgcgacca 660  
cgcccatggg ccccaaaagc acccctctg ggtt 694

<210> 574  
<211> 685  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI013918

<400> 574  
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ttccttaggc taaggcatgc tctcccatc atccagactt gtgagccct gctgcccag 180  
cccccaattc ctgcagcagg aagcccagt ggtctggctc tggcactggg agtagaaggc 240  
acctgtaggg ctggctgggc aagtgaggac aggtgacct taacacaaaa tactactctg 300  
gtatggggag caggacatgt agctgaagca gctgtcgagg ccctgcacct ctatggcaca 360  
cgtggatggt ggatggccac ttctccggga gcgaggaagc ctagatccca acaatactaa 420  
aacttgtttt tggtaaaaa taaatgcaaa gaaggtagat gagggccacc atgaaagcac 480  
ccatgttgcc aatgaggctg aagaggcagc tctctggggg gtatgtgcca cacttgetga 540

tgagaggaac atcatccagg gtgcagcagg tcttagggcc cccttggtca gcaggggtcag 600  
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ccatggcata cacagtccat atgcc 685

<210> 575  
<211> 400  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI013924

<400> 575  
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aggggggttg cattttaccc cctctactta aaaatttttt taattaaatg catttttagca 120  
aaagtgatta aaaaaagaaa aggggtcaaag cccagatgt cagcgagcaa ggtggtggct 180  
caggaaaaac gggctcttca gtccctccag gaagtagcct aaaagctgcc actgtccctc 240  
agacacaagc tcgagcaacc caaccaatcc tccctgggca aaaggccct gtactggccc 300  
ttgtgtttcc taacccttc aaactcgaa actccaattc tgtgtcaagc cttccctgta 360  
ccctcaaagg gaagctgaaa gggccctgga ggaggacaag 400

<210> 576  
<211> 126  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI028938

<400> 576  
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aaagggtcag tccattatca cagcagggag caccgggca ggcaaaccct ggggttgacc 120  
tttaaa 126

<210> 577  
<211> 445  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI028973

<400> 577  
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gccgaagcct ttggacttcc cactgcagtc tctcatcacc ttgacactta aggtcttacc 120  
aaactggctg aatagctccc tcagattctc atcatccacc tcttctccaa agtttttgat 180  
ataaacattg gtgaattcct tggccttggt tccaagctcg gcttcccgt ctttgcgaga 240  
cttgaatctg cccacgaaca ctttgcggtc attgaggagc atgccattca tcttctcgat 300  
ggccttggtg gcagcctctt gggctctgaa gtggacaaag gcataaccct tagagccgtt 360  
ctcatcacag accaccttac aggacaggat gtttccgaag gcagagaaag tgtcatacag 420  
tgccttggtg tctatagact tgtcc 445

<210> 578  
<211> 300  
<212> DNA  
<213> Rattus norvegicus



<220>

<223> Genbank Accession No. AI029026

<400> 578

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tttttttttt tttttttgca ttttttgata gttttaatca ttagcttacg acggtatgct 60
gccaaaaccc ttttctatcc ttgcattttt cagagggaga atttgccaat gacgaatcac 120
gcgctcagac ctttaagggcc cctctgaact cgctaacgca tttcaaattg gcaacactag 180
ccggtatcaa agccggaggg ggtggcctgg atccagaact gctgtgagcc agcatcccag 240
cagtgaacag atggcacacg ctcgacagga gagaatgacg atcgtggaga gtcctgagca 300
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<210> 579

<211> 380

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI029212

<400> 579

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aatgccagaa agccagtttt gacctctggt atgggtcctg attgggctaa aggcttattc 120
aaaggggtgat ggaatccttt agcagtagag ctgggggaaa ggccttttagg ttattggaac 180
atgcccttga gggattgtag cacttgggtc caagcgtctt ttctttcttc ctgcctcaca 240
gtgtaagcag tttgttctgc catgtgtgcc ctgccactgc catttggcac tgttgccaga 300
gacccaaagc aatatgactt cctgatcttg ggtggggaca tccagaactg tcagccagat 360
agattccttt tctctttgta 380
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<210> 580

<211> 549

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI029291

<400> 580

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taaagcatat ttttaaaaaa cagaaccaa ataatgtaca tttttatctc taaacattgt 180
gtcattaaag tccatatact gtcttttgta taaatcaatg tgatgttaca ataataata 240
tgatctgatt cttatcttaa aggctgctga ccatgtatga tatccaagat agactcaatg 300
cctttaatgc cagactcaga aactgttatg accctagaga acgaggaag gctgtatgca 360
caggtgggag tctgatggct tagctatttg cagcatcggc ttggcgaggc catccgtcct 420
cctccactcc agagtcatag tcctcttccg aggactcttt cgatggagcc cgaatgtatc 480
ctgggttcct tttgccttct actacttctt tgtcaacctc cacacataca atgtcagaat 540
taggaactt 549
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<210> 581

<211> 482

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI029450

<400> 581

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agtttttaaaa aatgaaaaag aaaaactgta tctgagatct tagtatcatt ggttttataaa 180
aaaggacggg agaggcttct gtttcatcca tcagtaactc cgaccaaaca aggtgtagaa 240
cttggcagga ttcttgccac agacacacat ggctcctggc tgcagctcac acagagggtt 300
gaaaggaatg caaaggcttt tggctcccat ggatggagca ccaggttcca catcctgac 360
cctggccgtt gtcgttttga tccagtcttc acagtcaatt tccccacaga atggaatctg 420
tgcaaccttc ccagaatcta gcaccttctg aaagtcttcc agtgtatccg atacaacct 480
gt 482

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<210> 582

<211> 240

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI029709

<400> 582

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tagaagttag gcttaaagac ctggttttca aagaaacatt cagggtcactg ggaacttggc 120
ttagccatca gacatatgaa agacagtatt agccttggac atttcttggc acttgtttca 180
gagtgggtggc ctggaccaac acctctaagt tcacatgcca agggccagca atctgtccaa 240

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<210> 583

<211> 515

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI029827

<400> 583

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gttgggtgaa aaaacagaag agggctacac agtcacctaa gacagtcaca gaaagatggg 180
cttcaggagg ctgccctgcc cctaccctg agcagcagag ggagtgggac agtgggctcg 240
cccagatggg aagccatgtg cttggactgg ctggacctgg cttacagctt ggtttcttgg 300
gatacttget atccactacc tctccctgaa tctcattac tctggatctt ccagacttgg 360
aacagttaag actgggataa aggtaccgca ctggtgtttt atttgaaagg gaaaaataag 420
ggtcagtgtg tgcattgcc atcccatgag gaagggcaga accatgcca gaacatcctc 480
aaggaatgga gatccctgag cctgggggta cactg 515

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<210> 584

<211> 323

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI029829

<400> 584

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tttaattcaa atagacacca caaaacttag gcacagatta agcattttac aagcaatgca 120
ttatgccaat tttctttgca attgccaag agtacaataa gtgaactcct taaatgatat 180
acttctgtac ataaaatatc catgtattaa tacaagtgtg tggagcagag tttaaaggta 240

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atcaaaccct aggattgaaa taaataggat gtgtccatac agagcagcat atcccagaac 300  
actgtgcttg gaagtgggtca cgg 323

<210> 585  
<211> 485  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI029847

<400> 585  
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gtttctccag tggcctggaa gtccatgtct tccaccaagt cctggaggca ggctttgtac 120  
tggtcagagg taagggagat cggctggctg ttggagatgt gcaagtccac ggttttcagt 180  
gatgaggctc ccccttcccg ggccatctct aacagctcct taagacatgt aggaacaacc 240  
ttgaccatca caagcctatt gaccacggc tggctctggg gccacgattc cccacacag 300  
aaccacagag tgtatcgtgg ggaatgtctg cttccttcca tgaaggcaat gagatctggg 360  
aacccaagag tcaggtcagt aaagaaaggg tcacagttac agcagccggt tcctggactt 420  
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accat 485

<210> 586  
<211> 319  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI029917

<220>  
<221> misc\_feature  
<222> (1)..(319)  
<223> n = a or c or g or t

<400> 586  
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ccccaaaaat ggggcccaaga gaggaggaag agtagagaca gcaaggggtt gtggaagcca 120  
agaacagcca gagcaggtga gtcgaggtgt tctgggtgac ttgggggtca aggtatcaag 180  
gtaactatgg caggtcggga cagcaagaaa gaggtccag gagaatgaga tgatgttccg 240  
gtgttcaggc aagcangggg tcacagcaca ctgggattcc ggaagttgtg tcncgcgaag 300  
cgctctgtgc cgaattctt 319

<210> 587  
<211> 537  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI029969

<400> 587  
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aaacagtttc atgcttataa aagtcaccga aggtcaagtt gtggcaagag cacgtacaat 180  
aggaccaatc caagtagcaa agagggggag gcagagaggt tagaaagcag tcacaccgtt 240  
gacacgaaaa gaacaacgaa tacacatttc tgtattttga aggcaattca caatcatttc 300

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caggaattct gtgagaattt aaggccattt gttctaaaga aatgtagaca tgacttcaca 360
aaactgtagt ttgtataaaa actgtacatt gaaaactatt tagaattgat tgtgagcagg 420
cagatcaggg cggaggggtg ggctatttca cacacaggca ggtcgggcca caggggtgag 480
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<210> 588

<211> 147

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI029996

<400> 588

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cattaatgga ggaaagttcc cacatttaac acaacccaaa acggctggtt caagagccct 120
cttcaggtga gctgggtagc atgccct 147

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<210> 589

<211> 394

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030024

<220>

<221> misc\_feature

<222> (1)..(394)

<223> n = a or c or g or t

<400> 589

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gcaagttttt taatacagtg ataaattaga aatttacagt acagacatca atgtagacac 120
acttttgtac atccttaaaa agggggatat atttccttgg aaattcagca atttggtcag 180
ggcatggata gcaggggttt gccaggtacc tctacactaa gcatccgaat ggccccaggt 240
tgcctccagg gttctgcagt tactgaaagg catgaggatc cacgtaaaag gcanagagca 300
actgggtaaa ctgctgcaca aaagacttct aactgtattt tatcggcttg cagactggga 360
ttattatttt agttcatcct tcttatgaag agcc 394

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<210> 590

<211> 503

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030069

<400> 590

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tattcagctt cagtcctgct cgcagaaggc gggctttctt tctggttggt tgtccatggc 180
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cgacttagga ctcgaagcag cgtagcgttc tgatgacctg agaatgctga ggtcggtgta 360
gatcactgaa gggaggatac ctgacctcga cccgtgaaga gtacagtccg tgcttacgcg 420
ttggcgccgg gaccttctg ctgccccaga cggctccgga cgccgcggcg gagttcctcg 480

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gtgaaagtgt ccttgaaccg cga

503

<210> 591

<211> 192

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030170

<400> 591

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tcttcggcgc acccaagtgg tcagggcagc agcgagcgac agtctaggct gtcctccaca 120
gcaaaaggac cttgcccaga actcttcac cccagaaca gcaacttttc tccactcgcc 180
ccaaggcccc ct 192
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<210> 592

<211> 399

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030242

<400> 592

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caggccttgg ctttgaacgt acccgttccc ccacatgctg gccccttccc ctggtccctt 180
cctccctaaa cgctcgtgcc tgacctgccc acaggcagct actgccctcc agcagagtac 240
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ggagcaagga ccctcagaaa gatttccttg gggcacgtcc tgagtggggc gtggggcaat 360
aatgcttctt cagtctcccc ctttcttctt ctctcaaga 399
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<210> 593

<211> 372

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030259

<400> 593

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gggagggtag aatatgttct ttaggtacag catctctcac tgaggagtcc agaggctccg 180
cacctaccac caggaagctg tgcataccca cagcccagc cccctggtaa tcacagcggg 240
aactatcccc aacgtgagct gccgccgaag gctctacaca agcgagttgc aaagcctcac 300
ggaaaatccg aggatccggc ttaggacagc ccacagcctc agaagtcaaa acaaaatcaa 360
aatgttctct ca 372
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<210> 594

<211> 562

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030271

<400> 594  
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 ggacatgtct atataaaagg tattttctaga aaaaaaaaaa acccacaata aatcaaatg 180  
 agccaaacaa aacataagaa gccttttggt cctttcaata acaaaagaga aacatattta 240  
 gatgattaaa ttcacacaat atgaaaatga aatattgggt taacttcata aagcagaaaa 300  
 ggagagccta aagaatatta gcatccaagg gcaaaacttc ctttttctcc tctttgattt 360  
 taataaaccc ccagaatttg gcaaagaatt tcctgaactt aaattgtctt ctggtctgca 420  
 gatacctagc agtatggcgt ttcccactca cctgatgttc aaatggcact gtctgggtcat 480  
 gagcagcaca cttcctttgt cccacaagcc tacaggaagt caacactacg ccttgaaagc 540  
 tactggcctt ccagtcatgt ct 562

<210> 595

<211> 394

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI030449

<400> 595  
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 tgaaattaaa gttcaacatg gtaaagacaa ggaaggcgct ctaccctctt gacctccaga 180  
 gactccacag agatagcaac agtaaaggca gcagagactg cctgggtcag actgtaagca 240  
 gggagaagtt gggaggaaca gaaaggcagt aagaatgata ggaaagacca ctgatagact 300  
 gcacctgac ttcttgaga ggtcatggcc tcacagttcc accagactgg gaggcctgga 360  
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<210> 596

<211> 447

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI030668

<400> 596  
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 caggaaagca gaaggtaggc cctaccacaa agaaaagatg tcattaatgg aggttaactt 180  
 tcaacgtaca ttaaatacta tcaattaacg tctgaagaga acctagggtt tgttcacctt 240  
 gctataagca tgagttgact tttgttatgt cattgaaaac ataaaaatgc cttaaaaatc 300  
 tcagctatta agtatgatct tactggaaat tcttaaccac aattttcctt cctggaatga 360  
 tgtcgtgcct gtgcatccct ctaaataaa cggaagcac agctaatagc ggcgggcttc 420  
 aacctgttct accagctgaa acagctt 447

<210> 597

<211> 398

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI030835

<400> 597

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ttaagagaa gttataagtt catggtactt tccaaggatc tgccgttaac atggggtcac 180
acggaagtcc tctggttagca cctgatgtgt tcaactgttct ttctcgttgc ctgggtgggtc 240
tggtgactgc tgctctgtga cttttaattc atgatgcttt gtccattgca tgataccaat 300
catcaccttt gtctcattct cttgtgtggg gaagaaccaa acttgttctg gtgaccagac 360
atctgagcta gttgttcttc aactgccatc agtttgat 398

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<210> 598

<211> 451

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI030932

<400> 598

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gtgacaagag caggtttact gagttgtgag ctcagactgc tggaccttca ggctggcctt 180
gtccacctcg gtagactgag gataaaaggg acctaccagc cagttgagag gcgtgttggt 240
aacaaggtaa tccataactt catctaagga ctccttcatt ttctgcagct gccccttgct 300
agaagtgagg acgccatcag acacttcctt gaaggaggta acattgcgga acgccagagta 360
gatgtcacct gccatcaccc ccaagtgttt ggccctggctc tgaatgttct gtggtaaccc 420
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<210> 599

<211> 191

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI043654

<400> 599

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cacccccacg ccacaagctc tgttactcct tgtggctgtc attatgagct gacatgccca 120
cccttatcac catcacaacg aattcttcca agttaagtgc gttgctcact atctgacgtc 180
caattctttg t 191

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<210> 600

<211> 410

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI043655

<400> 600

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<212> DNA  
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<220>  
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cacaggacag gcctgagatc agttcattca aataatcttt gtacgcagag catcccagag 180  
tatcacccca gcctaacctg gagaaacgtc accgacaagt gcagcagtca gggtcagcaa 240  
aataaataga gttaatatat atgtgtgcta tccttgaata tacagtgaag accgggcccc 300  
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<210> 602  
<211> 188  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI043728

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tctccaca 188

<210> 603  
<211> 485  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI043752

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accgttactc atctcacata aggatacaaa cccttccttc atagcttaga aagtacctcg 240  
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ctaagcatag agaaacagaa accacaccat cggtcagatg aacacaagca cttttggctg 360  
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acctt 485

<210> 604  
<211> 346  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI043761



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<400> 604
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aaccttcttc cccttaatat tccaaaacaa atgaagatga acatgaccaa ggtgcagaat 180
tcagctgggg aattagaaaa tgtaagcag gtagagaggg aaattgtaat accatagcat 240
ttaaaaactg aaagattgca gtcaagcgtc ttcacacatt aggatcaaag gaagacaatg 300
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<210> 605

<211> 498

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI043805

<220>

<221> misc\_feature

<222> (1)..(498)

<223> n = a or c or g or t

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gaaagcttta acttattcct gttctaacat aaaccatggt taacaaacag atgcttgaac 180
atgtgccgga atttagatta ggcaaggaag ttcactccac ctagcaagca agtctgaaat 240
atcatctttg ttttttaaaa gtttgacctg aattactgaa atctaagga ttctcatggt 300
cagtcatatg aatacgttat aatcagtaag aagtcagtat tgcacattaa gcttggacca 360
actcaagttt cttttttatg agttctttgc catatgtgtt ttgtgaaaag cttttttcat 420
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<210> 606

<211> 323

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI043855

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ttccttcgtg gatgaagtct gcaagtccca gccctgctgt agagccagcc gctccctgac 240
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<210> 607

<211> 487

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI043945

<220>  
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<222> (1)..(487)  
<223> n = a or c or g or t

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cctgcactgc caatagaagc agtgacaggg gaccactccg actcccgcac tcccgtacct 180  
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gagccttgca gggcaagcac acagccctaa gctatgcact caggctaagt cttttacaaa 300  
ttatatattcg taaattcgcc atattcactg aagctctagc tatatccgta agactgtaaa 360  
catctcggtc accactggca gctcgtanag gagacacact atactgtttt aggaagttgt 420  
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ctgggat 487

<210> 608  
<211> 487  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI044101

<400> 608  
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cggagggcac gggctctcgg tgaaccagg ggtgctgggg gaaggggggt ggcttcacgc 360  
tgagtatttc atagagttaa aggaggagag agagttcaaa tgtggccttg aggcttgaat 420  
atcctgggaa agttgaggca ccagcctgaa aagcctaaga atcttcctct tctcctccct 480  
cttcctc 487

<210> 609  
<211> 337  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI044241

<400> 609  
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atatggccca ggctttgcag cagtgaggaa gtccaacgaa ggagctccct gactactttt 180  
ctagggccaa ctctttgaga ctgcagctc atggagtgcg gcccgataaa tgtagctttc 240  
acgttgaggc tgccgatgag gtctcgacga ttttgtttat acacatcatg ggtgatgcgg 300  
gcgatgtcct tgccatgttt tggcttctcc cgtccta 337

<210> 610  
<211> 471  
<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI044247

<220>

<221> misc\_feature

<222> (1)..(471)

<223> n = a or c or g or t

<400> 610

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gagctttatt ggagggatgg agggcacgat gttctgaaca tgagttgagc agagtattgg 300
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tgctacttcg gttgctcagc angaagagga tgggtgtctac cacgttctcc acctcagcaa 420
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<210> 611

<211> 356

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI044292

<400> 611

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cccgaactga attttcacag agcttataaa ggaaaaaacc acaaaccagg gggatcaaga 180
gggagggagg aggggaattc caaaaccata aactgcccat acaatttagg actttgtgac 240
attgtgatta ggggtagtga cattttacag ggccattgga ccattgtggc cggaggctat 300
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<210> 612

<211> 477

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI044325

<400> 612

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ccgccacaaa atattttgtc ttttccttat agtttcagaa atcagtacca ttaaagcctt 180
aaacagaaaa ctaattccaa tctgaaaaag gtacaaaaag gcacataaaa tcccagtgtc 240
tctgtactgt aaaattcaag tgtagctgag ctcggtgttt tccagacagt atcggatcac 300
tgatattccc tgggagccca aactggttcg cagcctacgc caaagcctcc agcaagcacg 360
gtgctagtgg actacagagt taaagcctag cttctgtatg ctttttggga atatcagggtg 420
aaactgttca tacgtgtcca aaagccaagt ccgtcctgcc gttcagtcac caccacc 477
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<210> 613

<211> 407

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI044338

<400> 613

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gcacttgat tacagagaaa cagcagctgg cttgaagagg ggtttttagtc taaaatctcc 240
cagtaggaac acagaacaga ttgaacttgt gttggggagg aagggttgcta cataccagag 300
tacgtttcag tttctcaaac cagaggggca cccaaggcac tttccctgtc cccactcacc 360
ccacaatcca ccttacttgc tgacctccac ctctgtgtgt caaagca 407
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<210> 614

<211> 283

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI044345

<400> 614

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ttgtccccta aggggaagg ctgaagtata tggcctgtgg gctgaagctg gctctgttct 180
gggcaatcca gtgtcccaga gagacagggc catcagatgt ctttttccat ccagaatata 240
gggcacccct tcagatctcg atatcgtgtc tctaacgggc ttt 283
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<210> 615

<211> 447

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI044404

<400> 615

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gatgccatta aacaccttag ggtttatgaa gacctgtaca acatgggtct ttttcagggt 180
ttcaggttgg tggagatgtc acacatacat acctccctgt actgtaacac agaaatcaat 240
aaatatcaca aaagaaccag ataccattgg acttgagaga cagaactcac tgctaggaaa 300
tgaggagaac ctgtcccacg agagctgaat ttgacttgct aggagtaaat aggatttcca 360
tagcttgtgg tgaggactaa cgatctaagg aatgtaatac aaatgtatcg gaaagggcag 420
actaaattgt gaaaacaaac agttcag 447
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<210> 616

<211> 446

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI044533

<400> 616

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ccaaaatcaa gaagggaatg tggattctgc aaagccttcc acagcaaacc tgggccccag 180
ggacctcctt ggccttcact gaggaatgaa gataccactt gggagtccta accccgcctt 240
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gcagtaccca ctggacccca agatgtcttc aatccaggac aaagcaccct attttagccc 300  
 taagatccac actaggcctc agggctgagg agaagcttgg ctcatgactg gttggagatg 360  
 tgcctggatg ctgggtgcag gagaaacagc cactctggcc acagccagca cacaggttct 420  
 tgtgtcaggc tttcatcact gccatg 446

<210> 617  
 <211> 387  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI044550

<400> 617  
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 gtgctgtctg cagagcagat ataagagacc cctcaggtga taatgacagg gtcattctct 240  
 aaggagatag gacaaggctg agaaggggag aagatgcaag aaggacattg tgtcggctga 300  
 cacggtgaga cacaggttcc acagctgcta gcccgtatgc tggctgggct gctgctgtcc 360  
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<210> 618  
 <211> 263  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI044621

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<210> 619  
 <211> 388  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI044900

<400> 619  
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 <211> 460  
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI044925

<400> 620

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cgttgacatt tgccggggagg tacggcgata gctgcttctc agctatcatt tttcccccta 300
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ctcacggggag taatgataga acacaatttc caatcccaca 460
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<210> 621

<211> 320

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI045116

<400> 621

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gaaggggttt ttaatgcgta gaaatatcgg ttgggcttag tagcacatac caactctagc 180
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atattcagac cctcgtgccg 320
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<210> 622

<211> 396

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI045195

<400> 622

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aagagtcctt acagcagttc cacctcctcc agggaggtct gcaggactgg attcaatggc 180
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cccctgctct tctctgcgag cctcgtgccg aattct 396
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<210> 623

<211> 353

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI045253

<220>

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<221> misc_feature
<222> (1)..(353)
<223> n = a or c or g or t

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cagcagataa gagcacttgc tgttcttgca aaagacctaa gttcagctat tggctcctat 180
atggtggctt gcaacttcct gtaattccaa ctccatgtag ttcttactcc tatttctgac 240
cattgtggga catcaggtat gcacggggta cacacacata tatgcagaca aaacatttaa 300
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<210> 624
<211> 457
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI045256

<220>
<221> misc_feature
<222> (1)..(457)
<223> n = a or c or g or t

<400> 624
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tgtcacccac ttggaaaggt gagcccatgt cagcatagta ctgctttaaa ggagagtcac 360
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aatgtcagat atatcatgtt tagacaactt tacatga 457

<210> 625
<211> 396
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI045440

<400> 625
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ctggatctcc tggaactgga gttgcaaaca tttgggagcg gccatcttag gtgctgggaa 180
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cccctcacca atatttttca taactgtaaa agtaaagaca tttattgtgt aaaacaaaga 300
caagttaggt gaaaaaaatc acacttaaat tcccctttag gaggaccgta ctaaaccattc 360
aggatgtagc tgctatcaca aatgcacctc gtgccg 396

<210> 626
<211> 439
<212> DNA
<213> Rattus norvegicus

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<220>

<223> Genbank Accession No. AI045441

<400> 626

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ctgtcctttg cacataaaaa ttttgtttga aactgtgatt ggttgagtac acgagttttc 180
tctaaccagt caccacactc tgaaataacg ctgctaacat tcaactgata aagggaccgt 240
ccccttggtt aaagtgtcaa gcagggttaa atatgtataa tagacaagca ccatgaggaa 300
tctgtcctcg ctcgatgggt ctgtgtctca atgtccttgt gtaccctctt tttgtgcaag 360
ttgattacat ggttttggct gactccaaaa gcacatggtc acaagacaaa cttttttttt 420
ttaaaaaaca ttctcatga 439
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<210> 627

<211> 453

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI045555

<400> 627

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atcatctctt cagttcctct acgtacccaa aagcatcccg gagaagctgg agccgttctg 180
gatggtgagg actgccccag aactgttgct cacgaacaca gagacatact gtccagactg 240
taaatacaga agccctgaa cctgcacggt gaagaccctg ctggtgctct ccaggcctga 300
cacagcctcc agggacgtat gacggtgaca caaggactca atacagatga ggacacggac 360
cgtgtcccg gtacgtaacc ggcctctgcc ctgcagttca ctgtggtcca cgtgcaggct 420
ggcagaaaac tggaagatgg cagagactgg cgc 453
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<210> 628

<211> 422

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI045624

<400> 628

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acagccggaa agcgactcac cggagcgcca tgggtccacct cacaaccttt ttctgcaaag 120
cctaccacgg cggccaccta accatacgcc ttgctttggg tggctgcacc aaccggcctt 180
tttaccgcat tgtggctgct cacaacaagt gtcccaggga tggccgattt gtggagcagt 240
tgggtccta tgatccacta cctaacagtc atggagaaaa gctagttgct ctcaacctgg 300
accggatccg gcactggatt ggctgtgggg ctgagctctc taagcccatg gagaaacttt 360
taggtctgtc tggctttttc ccgctgcac c gatgatgat caccaatgct gagagactac 420
ga 422
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<210> 629

<211> 551

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI045802



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<400> 629
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ccaagtcagc tccaggggtgc ttggcccttt gctttggggc tgggaaagaa gcactatgtc 120
atggcggagg agagctgctc atttcacagc aactggcagt ggagaggcaa ggaaggacct 180
ggggtcctga tacaccccag taacataact tcctccgaca aagacccact tcagttccta 240
ccttctttaa gctaagggcc aagccttcaa catagatttg gggtagattt aagatccaaa 300
taggaccagc caccacgaag aaggatttta taggagcaat tatatggaga atgttaagag 360
ctaactacac cttttctaca ctagagagggc aggtaatgcc gcagaaaagg gggtaggttg 420
ataaagtccc acgcacaggc agcaagctca gaggattcaa aagcacttta gagggacttg 480
ccctcaaagc ctgctgctcc ctctcatcca gtgtccacac agagctgacc gcatttcctg 540
gtagcctggc t
551

```

```

<210> 630
<211> 387
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI045881

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```

<400> 630
tttttttttt tttttttaaa tagttccaca ttttatggga tattttccat tttttcaacc 60
tgaatatcat gattttacag ttctagcaaa tggatccatg gccttggaac aaacctgggc 120
tgtaaaggca gcattttaaa tacctttatc ccatacctgaa aagtaatctg tcacacctag 180
gctgggcact gaatttaaac ttccccacat tgctaggcta tggctggaga aactgaggg 240
gtccagttaa cctgaagggtg gttggaaagg accgtatcac agcccctgca aacaaaatgt 300
gtaaaaaacc ctgttggtgc caatccactg gctccctaga tttaaaatat cctgatattg 360
caccaaaaag ggtaactaaa aactgtc
387

```

```

<210> 631
<211> 378
<212> DNA
<213> Rattus norvegicus

```

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<220>
<223> Genbank Accession No. AI045972

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```

<400> 631
tttttttttt tttttttatc ggcaacatga attctgtatt gacatttggt tcttaataat 60
aacatccaaa atgcattctg ttcttatagc gctgtgaccg cgactgcac gggtagggg 120
tttatgttgc cggagtcttc cttggaagtg ggaggagctg gtgattgaga tacactagtt 180
tctccttggg acctatatgc agcttggtgg ggtgctgcag caggcacctc ggctctggt 240
agggttgggg atacaacccc agcaggtctg caaacacatg ggcagagacc tctgccccaa 300
gccacaaga acacggacgc tgatggggcc aatggtggtg gtccttgagg agtgaaagg 360
acgctgagat gttacatt
378

```

```

<210> 632
<211> 319
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI058319

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```

<220>
<221> misc_feature
<222> (1)..(319)

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<223> n = a or c or g or t

<400> 632

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ccgcaacaca tgtgagttgg gaaacatatt ccggatcctt tctgggaaaa ctgtggtctg 120
ttgaaaggtg tanagcagac tctgagacag aacacttgga gtccctcgta gagaagaggc 180
atgaattact gaaagcagct tcattgcacg aactgtatca tctgctgtgc ttgaatatgg 240
tgccatgtgg aacaatcgcc gtgttggtaca gatgggctgc agcgattcac tcttgagcat 300
gacagacttg gaggaacg 319
```

<210> 633

<211> 371

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI058341

<220>

<221> misc\_feature

<222> (1)..(371)

<223> n = a or c or g or t

<400> 633

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aaactgggat aattttaatt taactttatt tacacatatc acttatatgg aaaaattctg 120
ctaactgta ngatgatgc tggaccacca tattctgaac aatatgtact ttttatcttt 180
ctccttgatc agagctcagt tggaaattctt taaaatgggtg tcactttggc aaccgcatct 240
ttctttacct ctcttgagct tttcctctta ttttctacat cttggatgga gtcaggcaga 300
ggctgattcc tcgtctcagg aagaagaagg acaacaaggc tactaaggat gggaagaacc 360
ccatagatga t 371
```

<210> 634

<211> 386

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI058388

<400> 634

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tttttttttt tttttttctt tttcttcca ttttcgatca ggatcctcct cttttttctt 60
tttcttcac tttgtgatctg aatcagatgg tgtttctggg ggaacaggat cctgggtacg 120
gctctgtttg tgcttatgct tattcttctt cttgggaggc tgaatatgca tcagacgaca 180
ctgctctggc aacgggccag tatggaggcg gaaaccagac agcatggtcc ctgtgatcgg 240
attaaaagag ccaccaagaa taggaggttt ctcaatgagg gagcggaggc tgctgttgtc 300
atgggagcca ggaagatcaa tcatcccacg gaggtcaggc aggaagttac ttagcttctc 360
cttcactttc ttcccacaga acttat 386
```

<210> 635

<211> 467

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI058430

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<400> 635
tttttttttt tttttttata aaacttgata aaaaatagta tttcaaactg tacagtcacc 60
agaagtacac agttatcaaa aacgcacaca cgtcacttgg catctccagc accgtccgct 120
ttctgtgcct ggtctgtttt ggcacatccg ttttctgcag gattattcgc atccttacca 180
gcatccgctt tcccccttct ccccttgggt accttctctc ccttctttgc aggggccttt 240
ttaggcttgg gctctggctt tggaggagca ggttttagcag acaaccttgc agatcttctc 300
tgtggctcgt ccttcacctt ggctttgtct ccttttagcat ccccttcagc atttcttttg 360
ggcatggcgg cggcagggga cgtcggcgct gagcacgggt ttacagcggc gcacggggtt 420
ggtccgtccg ggggtcgtcc tcgctgcttc ttctctgtgc cgaattc 467

```

<210> 636

<211> 496

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI058436

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<400> 636
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tgtacaacag agagcgggtg caagcggcta ggggtcacag agccgccaat aaaaaagaat 120
gtccttaaat aaagtgttca cagagtaaaa atcagaacta ccagtccttc cctccaacac 180
aacagagcac aggcacagaa ccgatagtcg atgagcccaa ggagtaagga ggaggctgga 240
gaggacagca gaggtcctcc ggctgccgcg tccagaggga gagccctctt tggaatgggc 300
tgaggaaagc cgcccagccc cctacacacc tcatacccac tgctaaggct aaaagaaaag 360
gacaaaactc agtctcgggt ccaagggctc agaacagtcc aggtgggcag ggtccggttg 420
actgctagtc ccgcttggcc ttcttcttgt cactgttgcc attctcttca gccccctccg 480
tggagagtgc ctcctc 496

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<210> 637

<211> 490

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI058581

<220>

<221> misc\_feature

<222> (1)..(490)

<223> n = a or c or g or t

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<400> 637
cggccgccgg acacagccgg ctgcagtgtg gaccatggac tggagctatt gaagacccaa 60
aagaaagaaa atggtgagag gtggaatgag cttggtggtt gaagagatgg ctgaagattc 120
acacttgagc tgtttcccaa aactaagtgc tgcaggagag cagaagcagc tacctagcct 180
gccagagaca tgctgtttct aggctanggt gactgctgac acaaggaagc aaaaaaatt 240
aaaaatactg gagcgtgtga taatgatgag ttcagataac gcatgggttg agttttcggg 300
ccctgggaca tgctggagat gtactgttgg tacttagaca tgacagaaca tgatgaatgt 360
tctcagaatg gaagaacatg gcaaagaaaa gttggagggt tgaaaagaag gaaagactta 420
actctaagga gagactcagg ctttggaacta ctgctctttt ggaagattta aaataaactt 480
tgaatgttaa 490

```

<210> 638

<211> 376

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI058603

<400> 638

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taagtcgagt gatagttggt gaaaattcta gaaagcaaca agaggatcag gaaggagatg 120
gagcatcgag acatggacgg tgaagaatag gatcatgggt attcgttagc tttcttcttt 180
ctctgttgac aaggcagctc cagttacatg ttattagggg gcctgacttt gtagcagaat 240
gggaaagaag ggacttaaga gtgagtcag ggtaagcat gtgctatgga aggattgttt 300
gattcagcca taggcccatg aaggagagac actgcctgcc accccatccc agcccaagtt 360
cctttacagc tactca 376
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<210> 639

<211> 346

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI058746

<400> 639

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aaggactgcc aggggcccag gcatagtcac atcctttgtg aagagcggaa ggaaaaggag 120
gtgaccgaaa attaagttag gggagatgaa aacttcctgg gaagagaaga ggaagggtaa 180
agtgtgtgt taggagccaa gcgacaggag accctgaggc cagtgatgtc atcccagaaa 240
caacatgggt acagaagttt aaaatcttta agccacgact ttgaaggact agtgcagcag 300
agcgagcacc tatgtgtgagc atgacagcct ttgctacccc agcaca 346
```

<210> 640

<211> 371

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI058956

<400> 640

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tttttttttt tttttttgat ttaaattggt ttattaaaaa aggtaccact tgatgggtga 60
gagggtattt acacatgtat acaaataaag aacaaaaaca gtcaaattat atatacaggt 120
taaaacataa cagtcccat tcctttcctt aaggcagaaa tgcccagacc ccatgccaac 180
tgaactgggg atggaggaaa tgctacatct cactgggtct ccccatgtca cttgtgtgtg 240
accagagaa ggggtagaga cagacagctg tagagagagg ggcagtgcaa gctggggggc 300
acgtatctca tagcaccttg gccaaagctg ggcacttatg gaagagacca gctttgttct 360
gctgttcccg t 371
```

<210> 641

<211> 324

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI059270

<400> 641

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acccttttca ctaccatccg attgtcactc tgtaaataaa cacatacccc atgctacata 120
```

ttggaagggc taagtttagt cctaagcgga tatcaaatat gaatctgcca tccactgcag 180  
cacgctggat gctaacacgc tgaatacagt taacatttaa acagacttac ttcttcctgt 240  
aattttaaatt cagaaggatc tgctgcaaca gccatgaagt aaagcagtct tctaaattct 300  
tccctatttt gggaatccag aagc 324

<210> 642  
<211> 243  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI059386

<220>  
<221> misc\_feature  
<222> (1)..(243)  
<223> n = a or c or g or t

<400> 642  
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cacacaatgt cttacatttg atattgtctt cagtctgggt actgtttcct tgcaatagtt 120  
gggatagaat ctgaggcctc agacatgaca ggcaggctct ccactactaa actatgcccc 180  
agacccgagg ggttctangc aagtgtcttc ctattgaaac atggccacag ctctcctagt 240  
gta 243

<210> 643  
<211> 405  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI059389

<400> 643  
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acacaccacg ggacagtcag tcattgaagg cctccatttt gagcacttgg gctcatttca 120  
aaagcagaat ttttaaaaat gtaccagtg ttgatttcac ccatctaaaa ttgttgtaga 180  
attcagaggg ccaagctgaa aacgtacata gaaaaataaa ggtatagaaa ataatttcag 240  
attgttttgt tggagacgtt ggtggcactg ctgagggctt tggctgcggc tctcactcat 300  
ggtggtacac cgcggtgtgg cctgctggct tctgcttggc ctctaaaaca gctggatcat 360  
ggactctctg gactttccaa cgccaaccaa tttgactgca acacc 405

<210> 644  
<211> 493  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI059444

<400> 644  
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tggaaaaaga tcctaaacca ggcacatttc cttccccctt aattgggtct cagtatgtaa 120  
ttcaggctgc cctggaagtc tgtgtggtct tcatggccaa gggactttag gccactcag 180  
ctgcccaaat cccaggggat aggagtgtct ctcttgccag cctgtttcct gattactcaa 240  
agaggttttg ttttggcagt gctggggata caaccaggc ttttttattt gggttaaaaaa 300  
aaccctaaaa actatcacta caaaaacaaa acaaaaacaaa aaaaaacaa aaaaacccta 360

atatattaaa agctacttct ttctgtgaaa gagaaaatth gaaattaaat ttgtttgtcac 420  
aagatgaatc tttgtcttaa gctgttttct cacagaaagt gtatgttttag aaaacgttat 480  
tattccaagt gat 493

<210> 645  
<211> 299  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI059543

<400> 645  
tttttttttt tttttttgat cactgaacat ttattcttaa tcttagacct taactgcagc 60  
catggtgctg tggctgtgtt gtggtggtca ggtgaggccc aaaaggctcc catgagagga 120  
cccaaaggct gacgtgata ctctatggct atgtggaagc cacgcagggt gtgacatggt 180  
caatgctcca actaggagcc catacagcag aatcagcatc cagggcaggc ttatagggac 240  
tggtcgctgt ggaggacgcc tctgtagacg ctccaatgca ctcccatgca ttgggggcca 299

<210> 646  
<211> 374  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI059604

<400> 646  
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atctgacttt tataaaattg tcacatggga acacatttta aaataccacc acatgctgta 120  
ttacttaga aaagagttaa cagtaaactc agtctaaaca agaactact atcagttata 180  
atgtgagttc cttcctttct ttgtgcaata aggaggctta tgggaaatgc tggccccaca 240  
gggagagcca gcatgactc agcacctcca tgattaagga agcctggagc acagacgccc 300  
tgatggggag gaggggtgga ctccagtctg cagctcctcc acatgggctg cagggcctat 360  
tgccggatgc tttc 374

<210> 647  
<211> 250  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI060071

<400> 647  
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ggggttcaga gccactgagg ggtggggcaa gtccaggcaa ggagtggagg ttggaggaag 120  
atgcggacca cacaacagc gccactgtac acattaccac aggagcacg aatgaggacc 180  
acatatgcct agcatggcac aaaaggaggc caagtcatgc acagacacaa acattggcaa 240  
aggtggggga 250

<210> 648  
<211> 390  
<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI069920

<400> 648

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tttttttttt ttttttttctt agaaaggaaa gcattttaatg ggcgctcgct tacagtttca 60
gagggtcagt ccattatcac agcagggagc actcgggcag gcaaactctg gggttgagct 120
ttacagtctg agcccaggca gcaggggcag actgggcctg gaatgggctt atagaacctc 180
aaagaccacc cacaggggtcg cacatcctcc cagaggccat gcctcccaat ccttctaata 240
ctatcaaacg gttccaatcc ctggtgacct aacctccaaa tatgagacca tgatcccata 300
ttcattcaaa ccaccacact ggtggaggca ggacacaatt ttaatgggct atagagtaca 360
gaggtgatgt tttttttctg tcaacttgcc 390
```

<210> 649

<211> 504

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI070068

<220>

<221> misc\_feature

<222> (1)..(504)

<223> n = a or c or g or t

<400> 649

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ttaaaaaata tgcaagcgat ctgtcttgct cagcacaata cttaaagtaga tgtgccttag 120
ctgcgaagtc ccgggctcga gtcccggctc ccgcgtcgag ggtcgccgcc ctccgctgag 180
ttacgcacag ttcactgtcc agcgggggtg gggacgcctc gccccacccc tgcggcggtg 240
tccagaccgt ctgctgctgc gtgcagaggc tggctgcatg attgccaggc cttggctcta 300
aagtctctgt ctctccagc ctgaggctcc ctcttctctg tcttggcgac cacctgtggt 360
gctggctcct ggctccatag cccaaggggc gggcgggcgc acactccctt ctctcgtct 420
cagtctcggt gactccgccc ctcccgaag gtatcacggg tagggtagct tttgagggat 480
tgttctgggg aatgangggg cgct 504
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<210> 650

<211> 306

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI070152

<400> 650

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tttttttttt ttttttttagc tccagagggt tattagccac tcattaggga cctttaattg 60
ttttttcctc ctacgactc ctcaatgact gtcgttccaa tcagagagta cagttttttc 120
ttaacaagtc gaaatcccga gctgaggatc agagtccgcc taaggcccga cgagaagcga 180
cctccgctaa agaagaagtc cttgaggctg gtccaggagc agctctcctg cttgaacacc 240
agcgtgagct caaaggctcg caccacacta gcacacaca caatcctatc cagcttcttc 300
gtgccg 306
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<210> 651

<211> 344

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI070233

<400> 651

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gacaagcagt tgtgaatccc aaaacaaagg gaggaggaag aggtcaaggg tcagccacac 120
tagacaagtg aacaacaagg ctacagattat gccaccatt ctagccaggg cagagacaat 180
aacaatctgt ccaaactgaa gcaagaagga aggtgggttag acttcagaaa tgactttccc 240
aaacacatgg catgattggg aagggaaaca caaggggcca actccataaa gaatcttgga 300
gaccctggga ggagggaagg ctggtgttca aagcagcagc tttc 344
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<210> 652

<211> 408

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI070319

<400> 652

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tttttttttt tttttttccc ccacacaggg ctgcttctcc cgttttattgt gccccttaga 60
ggacagatga cagtggctga tgagggtgat actcccagct caaagcttct gccctgcccc 120
acggccctcc ccatatgttg ctgaactgga gggctgggtt accatggcaa ctgtgagacc 180
tgaggagacag ctacagacag gcctagctgg ggcactgct gctcctgggt ttcggttggtg 240
gtagtggcgg tgggtgggtg taaggctcca tctggacctc catctccacc tcctccaatc 300
cactttcatt ggccttctag aactgagatg tacaccgctc ggctccaaaa agggctctctc 360
tctgcacaga ttaggcaagc aatctaccgc tgagctacaa cagccctc 408
```

<210> 653

<211> 471

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI070350

<220>

<221> misc\_feature

<222> (1)..(471)

<223> n = a or c or g or t

<400> 653

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cggcctgtag cacgtccctg gttatcccag ctgctatgtc caatgctctt ccgcttagct 60
ggctcgcggc gctgtctaga gccacgtggg gcttttagaaa cagaggtctt atgacgcgat 120
gatacagtag caatgccccg ttccagggcc cgggtgtcat gcaaaataat aggaaggcgc 180
acttgcccgc gtagtagaaa gggaaccaga acaggagtag atcgctgaag aactcgacta 240
gaccgaacag ggcgtacacc acccagtagg ttagccacac agtgtcgtct tccttggttg 300
ggctctcgat agctttgact gaagcatatg cgggggtatac aaatccgatg acattgcaaa 360
gtagagacgc cccgtagccg aacagaagat acaggcctag aagggtgagg gctcncgcgg 420
cgagataccg cttctctaca ccggctctgg cttcagcgcg cccagcgcg t 471
```

<210> 654

<211> 332

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI070421



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<400> 654
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tggtcgccag ctcagaccaa ggcgactgtg caaacctctg aacgagggtt tcctttctga 120
cagaagttgg tctatcgggg ttctttctca acagacatga tttctagaaa cacagcagcc 180
atcttgtgac tacgaagcaa ggagcaatga gattactgag aggaggcccc gccctcactg 240
agcattgata cggcactccg ttagatataa tactgtgtta gtcacctgct ccaaggttca 300
ggctatgcgg ataacaagcc ctcgtgccga at 332

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<210> 655

<211> 554

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI070511

<220>

<221> misc\_feature

<222> (1)..(554)

<223> n = a or c or g or t

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<400> 655
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actgggggtt ggaactgggg gtgtcacagc atcttctgaa acagggcgat ggcctcatcc 120
accttcctga gctccgctc tgtctgttgt aacttcactt cgtcggcctc ctggacctca 180
aggggcacct ttgctgagta gccagaggca gcacggcgct cctgcagccg ctgagcctgt 240
cgctgtgcct cactccgctt ggcctgcagc ttgcccagct cccgggctgg gtccacgagc 300
ccctgcagct gcaggtggat ggagcagcgg tctgaggcca cagccacagc gcagccctgt 360
ggtgcaggag caccagggc caagacggcc accacacccg cactggccag agtctgcacg 420
taggccgaca ctgccgaggc caaggcacc gtacgctcat cagctacttc caagaaacag 480
tcgggcctgg tccgggtcag gttgtantct gcacgcangg agcgcacagc tctagtgatg 540
ctcagcgcta gctc 554

```

<210> 656

<211> 286

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI070611

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<400> 656
tttttttttt tttttttagt tttgaagatt aactttattt aggagtaaag cgctgatata 60
gagacagata atgtgtgggt ttttttttaa ccttttgttt ttaattttta aatcagtgtg 120
gacaatatca tgctgttcat tgatacaata cagccctgtc ctgggtatac aagtctgtga 180
catcattcac tacatgaatt tacttcatga gacggcatag cagaataaga ctaactaaag 240
atatatatcc ttagtaagaa aatgcctgaa ataaacaaag tcacaa 286

```

<210> 657

<211> 428

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI070879

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<400> 657
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aatctgaaag gccaggtgct gttatttgcc ccaagcatcg acaaacagag caacagcaaa 120
tatacaaaagt tcaaaaacta gtccacaggc actcgcccaa tctacagggt gccgttttaa 180
tctcaaggtc gaaaactgct tttcccaaca aacagcgttt tgccatggat atgtattagg 240
ggtagtcaga aagtttaaga atagaacttc agaaagaaac ctagaaagggt atcttcatga 300
gaggcaacag tacacttttc acaaggaact aaccttaaag gaaaatgtta ataagtggga 360
ctaccttaag aattaaggta aggacggttg tatgggagga gttagagggt ggaaagggag 420
aagggatg                                     428

```

```

<210> 658
<211> 381
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI070895

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<400> 658
tttttttttt tttttttgct atgcgagcct ttattcccca taccctgcat gtgacacagg 60
aagtacacag actctttgta tccccaaagc ccctttccaa cagagcatct taatcctctg 120
aattcgtatt ccagatgtgg gcacagggtg gcttcattccc agtttccagc agtatctgct 180
gtggctatgc cctctgcttt cccagaagcc ccaggaagga gccttattgc ttctggagag 240
atcagagcac acggtgtcca gatccctaca gcctggagga aggggggtcac aggtcaattc 300
tgaagaaaag aacagctccc caggcctgca tccaaatctc cttcttctat gcctaaaaca 360
agctctaact cagtcgtccc t                                     381

```

```

<210> 659
<211> 384
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI070903

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<400> 659
tttttttttt tttttctcaa gggcagaaaa acatcttcag tgccttttaa ttcttacaaa 60
gtagctggaa catcttggtt ctccaaggaa cactccagaa aggccacaaa tcaaactgaa 120
atcatatttg tgaagaggaa gaggagaaca ataccagggt aaagccaagg acatggtggg 180
atccccctcc aagagtagtc tccaaggaga agggagagaa acacagggtg cagcaactgg 240
ttaagagggt gaagcgagtt ccactctaaa cacctctgga agagacactg cgagggtcag 300
gccatggcag acagaaggcc aggttgacc cgtttgaatg atggcttgcc caggaccagc 360
agacatctct gggcatccga agga                                     384

```

```

<210> 660
<211> 509
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI071162

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```

<220>
<221> misc_feature
<222> (1)..(509)
<223> n = a or c or g or t

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<400> 660  
 tttttttttt tttttctgaa acagcttttt attaaacagc aaagcagaac ttgaacacaa 60  
 ttttaaatag ttataacaag gtcacaaaag ggttgcaaaa tgtctgcaat gtaaggatta 120  
 cacgtccata tagctaagtc actcaaggct cacactaata caggagatga tccaagtcaa 180  
 gctgcattag tgggtctttc ctgttataga ccttactatg atttctgata gcagctcctt 240  
 atcaaattga agctacaaac tcaattttta aactttgtta aaagaatgac taaaattctg 300  
 caaactaagt agttgagttt acagaaattc tgagaaaaca actgagataa aataactaagg 360  
 ttaataatta tcacatatac aaaactctct tatattcatg attctttatac taatatactc 420  
 tcaattaatt ttgcaaaaag tcatctcctg ngtacaaaaca aaccttgaga ccaaactctt 480  
 aactggctct tcttaatcca cttacatta 509

<210> 661  
 <211> 504  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI071166

<400> 661  
 tttttttttt tttttttctt tgggttcact ttggcttact gatgagcaca gagtgaagaa 60  
 ctctgtacca cttaggtttt tttttggtac acacactgaa aagatacata ctgaagcccc 120  
 aatgcataat aaagactgtg cttctaagcc tttccagtct gggtaagggtg aggggacgcg 180  
 ctgtgtgttt gtggtgacta gtcagccctg tttaccttcc aggatttggc acatttttctg 240  
 tctgcatccc tgagtcacaa gaatggtgta acagctgatt cctgtttgct gtcagggtcca 300  
 gggaccatt caggggggcc ctgaaaagcc agcgaggctt cgctcagtgc tgacaggact 360  
 tgctgttgaa acagtttttt tttttttctt aaccgtccca tttgttgcca taaccaccac 420  
 agagttatag tttgacactt tgccaagaca gcttggaat ttggcttctg acagactccc 480  
 atgtgcccg ggctattgag gatt 504

<210> 662  
 <211> 472  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI071177

<400> 662  
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 aaaatctatt gttatacatt ataccaggac agaaatggga aatgctacca tgacattacc 120  
 aggaactgaa agtaccagc acaacaatct tatgcacttt gaagcatgtt agagaggacg 180  
 atggcaccat tggataatga actactgagg aaaggagagc cctggccaag ttacctttgg 240  
 tctcttaaag gctcctgagc actactgaga catgggaact ctccattact gatttgggtgc 300  
 agtgtccttc tctctagctt cctgatgaga tggcatctaa agggctctaa ggttcaactcg 360  
 gctcccacaa agagaaggga acacttagct gctgcccctc tctataggca cgaccgtgca 420  
 gcacttcact gcccgctgaa ctactagcat tagaagtact cctcgtgccg aa 472

<210> 663  
 <211> 519  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI071181

<400> 663

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tttttttttt ttttttttctt cggagctggg gaccgaagtg ctctaccact gagctaaatc 60
cccaacccct caccgttaca ttttgtgtgg agcatcagtc gcgtgcctga ggggtcttgcc 120
tatagagtct gtgggtcatcc tgttggccaa cagggtattcc ttttgttgga ccaattgcat 180
ttcccatctc tctgtgggtgt gatggaggtg tgagtcctgg atgtaagtgc gaagagtcca 240
ctgtggaatg gtggctaaca tccactttag ctaaaatctc ataatacagc aaataaaaca 300
ctggggttat tatgcccact atcaacatta tcacgacagc tgtccaccaa cccatcccc 360
agtctgcgcc gtaatatgga tcctttcggg gaacgccttt gttatcaggc tcaaategga 420
cctgttgtgc tgttaaggcg gacactactt cattcaggtt ctcttcttg gtgtctgtac 480
acttgactat ttgctctatg tcgcgcctcg tgccgaatt 519

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<210> 664

<211> 555

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071185

<220>

<221> misc\_feature

<222> (1)..(555)

<223> n = a or c or g or t

<400> 664

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tttttttttt ttttttttgtt ttaatttgga ctttattgaa acagcaaaaa cataactaat 60
gttttgtgga ttgtttttta aacaaaattg aaatgaaaaa catcacaat aaatgtcatt 120
aacatttctg gtgagaaatc cagtgcaggg aaacataaaa caatactgag caaagtcttc 180
tcccacctag actattcaag atactgcctg gtcctgggtt gggtttagcc atgttttcta 240
acaaaggctt ctattctgta aagagaagat tggacagctt gtgtagaaca ttcattggta 300
ctattactat atgttctgtg gccacatgca cttaacagcc acacatgtgc acaaagtcatt 360
cattcctatt aggcttagct aacaacaaga aaaaagaata cctttccacc ttgttctgca 420
atgtgacaag cgtaagaag agggaaacaa tgtatgtgtt cagccattcc atatatgcat 480
tcctttatgg cactttccag gagttaatta aaggagcgcc aagatctgca ngaattcaag 540
ccttacctaa aaata 555

```

<210> 665

<211> 519

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071194

<220>

<221> misc\_feature

<222> (1)..(519)

<223> n = a or c or g or t

<400> 665

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cggccgcttg gtggccctct cgtccctagt gctggctctg ccaagggtgcc gggctgaata 60
gttgacagtg gggctcact ctagatctgt tgatggcttt gagctatcca ccacgtattt 120
gccaccgcga cgaggctggc ccacagcctt ggggacatac tccagggcac cagcgcctcc 180
tgcagctctg ctctgacccc tgtctgaagg ggcaagttag tacttggtgcc ctggctcggc 240
agggacagcc aatgggggtg gctggtaggc agcgtccggg ctgagcaggc cgcctggcgt 300
ataagttagg gccaaggaga aggtgtcatc atcatccatg cttgtggcan ggctgcaagg 360
ggccagtgtc gaagccccag caccgtggcc cagtgcagtc tccaggagct cctggtagcg 420
cctctgtctc agtccacct cgccacgcac agcctcgatg gcctgggtga ccagctccaa 480

```

ctccagcatg ccacgcccct gacccagagc accattctc

519

<210> 666

<211> 496

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071227

<220>

<221> misc\_feature

<222> (1)..(496)

<223> n = a or c or g or t

<400> 666

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tttttttttt tttttttcct aatctgtttt gaaattcttt tattaatgag actcaacgac 60
tcaaaaggag accacagttt ttggaaatac tcccaaagtg agttgtttgg ataatgtcag 120
acctctgcaa cacaaaactt atacaataag aacaaagagc acaggaacga tatggtaaata 180
cagcctggaa ttcttattct taggttaaag gatacaatgc agtaacctga gtgtagagct 240
ttcttttaggg ttcacagctt acgactatag cagctgacca tagctgcaca gtagggagag 300
ctgttctgga agcgtctgct tgcagtactc agtttgactc agaatacttc cagcaaacta 360
cacatccact gcacacaact acttagcagc agcagaataa actcgcttaa gtgaagtctc 420
agtaattaan agaacaagca tgcaactgga gggctgttag cctaactatgc cacatgtcaa 480
gaccctcgtg ccgaat 496
```

<210> 667

<211> 547

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071251

<220>

<221> misc\_feature

<222> (1)..(547)

<223> n = a or c or g or t

<400> 667

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tttttttttt ttttttttaa tttttcagct tgtttgggct ttttctttta ataagataac 60
atgataaata aacctgcttc tgtacagcta tttaatattt cagaaatacg tacatgttac 120
atgccaagaa acgaccctgg ttttcttggt agaaacaagg tgagaccata attggaaaag 180
gaaaacccca caaatgagaa aaaccaacaa agaaaacaag atcaccaata cacaactaac 240
tacagttctg taactacacc gctagccgag cataacacga gtctcaaagg aggggagtg 300
ggaggggacac acttgaaggc aggaggcccc tgtcccctca aactgaatga gaaaacaaa 360
gtcaacaaca agtcaacatt gcttaaacca gtggccacac agtaaaaact gtacattggt 420
gtccattcat ttaaaagcaa agtcactagg atgattaana aaaaaaaagt gagaactgg 480
gcctttgaac tttctgatga tgaacacttt tactcagagt ttgacaatta tctccactct 540
ccctgca 547
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<210> 668

<211> 501

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071456

<400> 668

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tagaagattt catcatacat aggcttgtcc cggggccacca cccactcggc atcatcaatg 120
ccctccccag ctccctctcc atagccatgc ccaaagggcc cttggagggt tccctcaa 180
gctccgccct tcaccatctg aacaggccgc tgggtctctt cctggcgtag cagcaccatg 240
agctgggcaa tgtcatgggc cagcatgtca tcaaccactt ctagcagctt gctcttcagt 300
ggttggaatt tgctgaagtc ctgggcctgc agctgaccc gcacccctcg ggttcttgag 360
ggccttgatg acttctgaga actcatcaga gatgtcaagc ttgtgggcgt caaagagcag 420
gatgattcgg tccaccgcgt cagcaaacca ttcgaggaca gcagcaaat cataccctcg 480
gctgatctc tgtttctcac c 501
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<210> 669

<211> 510

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071538

<220>

<221> misc\_feature

<222> (1)..(510)

<223> n = a or c or g or t

<400> 669

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tttttttttt tttttttggg attttaaggt tagttctctt taacagtctg agctcttctt 60
ttctatgaag aactcatctg aaaccagcac atttgacatg gtctgggaca tacactgtgg 120
tttgaaaaaa ataaaaggat gattcagtta tgtactaata tgggtcaatct gcttgtgaga 180
aagattctct cgaggagaaca cagtgtgtgc tgcccttcaa gtgtggcact ggtacaagt 240
gcgacagcac gctgggactt ctctgacgtt gctacgcatt ctctctgtcc cagttgtcct 300
ggctgtttcc tgagctgggg caggagcatt ctgcaagaca gccccagaa gggaggagta 360
ccttcgatgt tggggctttt ttacttttaa cgggacacag aatggtttgt ggggcangga 420
atcaaatagg aaactgtttt cttggcaaac atagttcatt aacacattta acattaaaac 480
tgcaccaagc gctggggagc tagctccaca 510
```

<210> 670

<211> 498

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI071578

<400> 670

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gctaaaatac attgggtact tatggaagga ccacatgtta caaaagcctg cgttttcagc 120
agcgtacaac tgcaactcta cgtaaagcc acaaatgcac aataaccgtt ccttgcctta 180
tttacatagc tgatatact accctaacag aggtgggggt agggaggatg cacaagaaac 240
tcaggccaga ggggaagcaa gagagaatga gagggacagt gcatgcgtca ttggtgtcta 300
acagtcagaa gcgcaaacag ttcagaacaa ggctgcctt gtcaaaggaa gagctaaaga 360
cgttatataa aaattaaggt gggctttcag tccggctaac acaacaacat tccgtgaaga 420
gacggcattg tcagatttta tttttgttta tccatttcat tgggagcaag gacaaaaatg 480
taaaatctat accttgct 498
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<210> 671

<211> 330  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI071642

<400> 671  
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caggtctcaa actccatggc tggctttgct cctgctcctg ctcttgcac agcttttcgg 120  
gtgccaggat tgaagggtcta tgccaccctc aatcaatccg caccgtttta taactggagg 180  
ttccctacaa tcaatcctca gtctttaacc tcaaccctgt aacgttcaat cataatcccc 240  
aaggatcctc gggccacact gtctagaatc tgttagatgc cctttgggtc tttacaagc 300  
cgggtccagg gttctactcg aggctgtgca 330

<210> 672  
<211> 336  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI071858

<400> 672  
tttttttttt tttttttaaa aactgttcct taaatgcac acaaatttta tttacaaagg 60  
caactgaaca gagacgtca ctagtttctg gaggaaatta ccggtatata aaccacaatt 120  
atttttcatt attgaaaata aacagctttt ctactggcat ttgcttagcc acaacagtcc 180  
tggtaaagaa aacagagtgc cctcctcaag caataaaaac attacataag caaatcact 240  
tttcagctgg attatttctg ggtaaagaaa gccacaaaga gcaaatttat ggggtggattt 300  
aggtgaaaat ttttcaaatt gttccacatt aactta 336

<210> 673  
<211> 334  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI071867

<400> 673  
tttttttttt tttttttgaa gattaacagt tgactacctc tctaattgtc tgcttgccac 60  
cctcccaagt accaaggcct tgcccttagg ggcccaatgc tctgtggttc ctttctataa 120  
ctcccaagat gtacttgtag gttggaatgt tccagaggcc ctgccactta tatgtcttca 180  
aggacagcca ctgagggtc ttcatgccac agtagatgcc cagcccgttg cagaggagta 240  
cgtccatgat ccaatgggtc caccagcact cgctgaagtt gggtagctgg tgctccaggc 300  
tgtactccag gaactcgaac atcacactga tgat 334

<210> 674  
<211> 271  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI071868

<400> 674  
tttttttttt tttttttaca atgttaaaga ctaatatattt gagctttacc aagaactgaa 60

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taggatagac caaggcacaa tttttaggaa gtccttctgc aagccacaga aggtatggga 120
atagatgggt atctggctag aggtaacaac caaggaaaga gaaaacaaag aaagtcatac 180
aaaggaggca gagatgggat tttgtctgag ctatagtagt ttgggtgcaa tgtgaggagt 240
ctgtttcatt gaggaatcac tgaggaatct a 271

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<210> 675  
 <211> 450  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI071965

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<400> 675
tttttttttt tttttttggc aagttctttt gaagtttatt ttcaaatagc cagtaaaaaat 60
tgacctgagt tcaggatggg tatgtaaaaa caaaaaacgt gaactaacag tgggtggtgta 120
aactcatctc cgagttcaca cactggggac caagtgcac ggccaggcaa gattatacag 180
ggaaggagaa caagagtctc agccttcggt gagccaccat gcaaggaaag caacagagtg 240
tcaaacggga gaagcaacag agtctcagct ttcagtgatc caccggtggc ccctgagctc 300
ctgacttaac agtgcctcaa cactgtcgcc caggggagag tccaaacaca aaggaactca 360
acagtgtcct ggtgtttttg taacacacct cttgctatat caatatagct ctgactgtcc 420
tgcaaaagaa ataacttcag agggggggca 450

```

<210> 676  
 <211> 384  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI071967

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<400> 676
tttttttttt tttttataag caaaggtaac tttatttctg ctacaggctc tggtcaggct 60
gtctgtgatt ctcaaccctt tttgtggctg ctacagcagt atcaactgta gcctaacttc 120
agtcaaggct cagtcattgt gtagtcatac cagaagttaa agttggtagg aggtgggggt 180
actgggggag gatgctcagg aatgggcaca ttctccagtt ccaacaaccg caacttggtc 240
tccatagtga gcagctgctc caggtctagc cgagtctgtt cactcccat agtactgcc 300
agcagggcac tcagtccatc tgtccacagg tagaaatccc gtttggaggg ggcaatgaag 360
ttgaggtatg cttccctcgt gccg 384

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<210> 677  
 <211> 335  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI071990

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<400> 677
tttttttttt ttttttttaa taaaaccatt acaatttatt aaactccata tataaaacca 60
taggcattgg ctactgtcct tatatagctg tttctaactt taatattaac aaacattaga 120
aagtccactg tgctgttata agcctggaaa agagttatca cagataacag taagattatc 180
cctgtcctcg gtgaagtaac ttagaaaccg tcaactcaga caaggcttct gaatcaacga 240
tgatgaagac ataaaataga aacactcaat ttgtcacac aaatgtcac aggttctgat 300
ttgtctgttt tagatttctg agacaagcct cacta 335

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<210> 678



<211> 362  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI072014

<220>  
 <221> misc\_feature  
 <222> (1)..(362)  
 <223> n = a or c or g or t

<400> 678  
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 ataaaaaagg gatccatcaa catatatctt agaagtccat ccaagagttt cagtgtccag 120  
 cagccatgga ggctgacgcc tgtgccattg ctcagtctgc agctcgtgta aggatcaagg 180  
 aggtgacttt aagttacaat cacacttgct ctgctagatc caagaccctg aatttatcca 240  
 aattgtagaa acaggcttta accaccgcgc caccaaaata cctcccatc agatcgacaa 300  
 cagctttaat tgccgattcg actctctcan attctagaaa tatccgtact gcttcatcat 360  
 ca 362

<210> 679  
 <211> 367  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI072054

<400> 679  
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 tatcagtgac aactcccaag tgtccacctg gaatagtgcc tccttgctga gtgggttgat 180  
 ccctccatgt ttccaagtgc cagagccctg tctagcacct gtctgctggg acattcggta 240  
 gtagcgtcac tcgtcagtg ctcagtgcct gcagcattgg cagagtgaac cccctgggc 300  
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 agtttga 367

<210> 680  
 <211> 512  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI072092

<400> 680  
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 tcagatccca tgggactgga gttacagatg ctgggaatag aacttgatc ttccagagga 180  
 gcaaccagtg ctcttaatct tcccagctac cactgccaca gccccggat agattttaga 240  
 acagcactga gtttagcagc attaaatata gatttgtact ccccagctct ggaaatctca 300  
 tagccctgca ctcagaagcc agtatatgga tggtagacct gatcttctcc acctccgttg 360  
 tcagctcctg gacttcatgc agtagtcgtt ggtacttctg ctgtggtgtc tcctttactc 420  
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 caatgcgacg tgagaaatca agcccctttg tc 512

<210> 681  
<211> 419  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI072107

<400> 681  
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tagagtgata tataatcatc cttttttgag aggacccatc ctctatactc ttttcatgca 180  
gtgacttctg gcataaagca caacacagac ctccatgtta atattcatcc aaaaatggaa 240  
aatcagggtg gccctggaat ctagaaccac tcatgtaacg gatattttta tttaggccat 300  
caaggacttt catgtcttct gaagtcaact gaaattcaaa aacctgcata ttctctttta 360  
tcctcttctc agtgaaactc ttagccagga ccacaacccc acgctccagc tgataacga 419

<210> 682  
<211> 380  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI072137

<400> 682  
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ttgaaagggtg tagagcagac tctgagacag aacacttgga gtctcgtca gagaagaggc 180  
atgaattact gaaagcagct tcaactgcagg aactgtatca tctgctgtgc ttgaatatgg 240  
tgccatgtgg aacaaacgcc gtgttgatca gatgggctgc agcgattcac tcttgagcat 300  
gacagacttg gaggaaacgg cagtgcacac ggtggttctc ttaaagggtgc acgtgacact 360  
gcctagttgc actccctcca 380

<210> 683  
<211> 497  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI072246

<400> 683  
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gagggtggaca gggcgcccag gcctgcctgc gccattccac acctccactt ctgtggtgca 180  
actgtcctga gcatgagaag ggcctgggaa ggcatctaata gtatcaagct caaccgttcc 240  
tctcgggcta ctttccaggc catgccaaaga gtaaacttct tgtaccaggc caatgtccct 300  
gcaaggggtg ctgacaggta gataagtaaa gcagcagcag tctggaaaca gacaccaggt 360  
atctttttcc tgaccaggac gaaagtcagt aagagacaaa aggacttcag tgccccatga 420  
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cacctcataa cctctcg 497

<210> 684  
<211> 346  
<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072278

<400> 684

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aatcattttc acagatgcca gttgtcacac accagcttca ggctcaccac atacctggga 180
agcctttgct tttattctcc ttgccataga gatttgacat gacagtgggc agaaagctgc 240
agcttacagc ccgagggata atcttcattc cactatcagc acagtgagcc aggcagcttg 300
gtgatcccaa aacttattta tacgcagaac acggacattt tgcgta 346
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<210> 685

<211> 431

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072384

<220>

<221> misc\_feature

<222> (1)..(431)

<223> n = a or c or g or t

<400> 685

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ctgatcctac agctgtctat agagcccca cctgaccctg ctgatatcat ggctgagctc 180
tctccccaag caagataggt aaggaattct ggaagttgga ccattcactg aggagcgatc 240
tcttcactcc ttccgagctt ctaggctacc cagcaccagt gcagcctggg tcttggtctc 300
ctgcagaagg ctggagattc gatggcgtgt cttctcttta aatacatcat ccgtcatgtc 360
cttcagggtg atgagcacat tgaagtacgc accanacaca cctgtctcca aagctttggc 420
tgccacctgc a 431
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<210> 686

<211> 432

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072393

<400> 686

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tatataatta acagccaagc gatactaatt ttatatgtgc agtgtcttag ttatagggtta 180
tttacataat ctatgttctt gtgataatca tgtttcccaa aaggatgggt agctaaattc 240
tgaaattatg atataaaaag ttcaaatttc caattttaac agcgacgtaa catttcccaa 300
ggccggaagt gccctgtctg tcagtctctg tgagtgtctg tttattccac gotcaacca 360
gagtcgtttg agttggggtg aatcacagag acacacacat caatctcatt tacttctgt 420
gtgtgctgct tg 432
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<210> 687

<211> 274

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072476

<400> 687

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gaatctgtca gacgcttcac gtacagtatt tcataaaca taacaatcct gtaacattga 120
tagtaacctt attttgtaa tagggaatcc aaggtttgac aaggtttaatt cgctgaccaa 180
aagccatagt caggtggctc aaggactcca gatcccaagc tcagtttact ggccatgaca 240
ttttcttgca ctttatgtgt gaggtataca accc 274
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<210> 688

<211> 283

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072578

<400> 688

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gctggccaac aggcgcgggg cggaggcggg aaccgggctc ggaccggcg cgcaaggcgg 120
cgccggcggc ggccggcgac accgcggagc agcagtctcg gcgcgacgtg gaaggatgga 180
ggcgggcggtg cactaggcct cgtctggggc tgcagcccg actcaaagg gttccagaaa 240
ccccgtgtgc aggatcagat ttgcaagtat gtcctctgtg ccg 283
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<210> 689

<211> 352

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072633

<400> 689

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ccagcctcct agcagcagtc cagtagagca ggggttgagg gcacccttgc cctccactg 180
agaattcctg cagcaatcct tcaatggcaa caactgtccc tgctcaagtc tcccatcttt 240
atcctcagct gccttttccc ttcaaagagc aggatgctcg cagccatggc tgaattcaga 300
ctgtccacac caggtacaac agggatcagc agtctcttgc caccagtact ct 352
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<210> 690

<211> 333

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072634

<400> 690

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cttcttctga gccttagtgc ctcagaactc tggatcatt ggtctcggac accactttgc 120
catccacgac cttacgggta gttgtcctct ggacagtttg catggagttg ctggagtcca 180
ggcgctcggt gagactgaaa tcgtcccat cctccaacaa gcggcggtag gtggcaatct 240
ccgcctcaag cttgaccttg atgttcaaca gggcttcgta ttctgggtc tggcgctgtc 300
cttctgcccc agtttgtgcc agctctgatt cca 333
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<210> 691  
 <211> 359  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI072643

<400> 691  
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 aaaatgggtc aaggagggag agagggatat cttttcctcc aaatcggctg gtatgtagtc 120  
 tcagtgcgtc agaaaaaaga ctgcttctgg cctcctttct gattacccca aggcagtctg 180  
 gtcaccgtgg aggcttattt aaaactggaa aaagaggtcc tttgtgacat cctgctgcca 240  
 ttcaagatgt cttcttgaat aagccctaaa gtcactcact ttctctgtgt gttccctgtt 300  
 ccactctcac tcactacagt ctagtcttta catggcaggt agcaagaata accttaaat 359

<210> 692  
 <211> 434  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI072712

<400> 692  
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 ggtgtcagaa gagatgggga gcattttctg tcctacgact aaatgacatg aatttactgt 120  
 acaatgacag tgtacatggc tagggtaagt agcgtcacca aagattagtt ctctcgctta 180  
 cactaagtag gcacgcacat cccacccag caccgacttc acagtcagct gtaaagagt 240  
 gcatttctact ggatgcctcg agagacagtt ctggtggagt atttgagttt aaagactttg 300  
 aaaggaaaga gaatttggct gaaaagtatc cttttcttta gttaaatacg aacaagtctc 360  
 cagtcagcac ccagtcaaac acagtgcctt gaactttggg taatttgtcg gacagtatac 420  
 tccacgccac tgtg 434

<210> 693  
 <211> 499  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI072812

<400> 693  
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 taattctata gtagagaagt acaaagtctg cacaagtaag actttataac agaattttca 180  
 atcctgcccc aaggaaaata aactatacat atagttcaat ttaaaaaaca aaaacaaaac 240  
 tttaaaagtt gtgcttaaca tagtgactg ctacacagca tcaagtctta gagcactgat 300  
 gtgctccagg gacgacggcc tgacagagtg aggacctgga gtgctctctg agagctcctc 360  
 ccagaaacgc cccagcatct gcagcttgcc ctctgtggc gccactgct ctgcagttga 420  
 ctcatatgtc ttttgtctga tcgtcttctt caagctttct gatttcattt tttaacaat 480  
 ttatagtttc cctcgtgcc 499

<210> 694  
 <211> 251  
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072866

<400> 694

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tttttttttt tttttttgcg ttcaagaaag ctttattttac cacatacatt ttaagaatgc 60
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tagtagcatg tctaaaaccc aaactctaaa acgttttaaaa acatttatat tagtttggtc 180
ttattcctaa aaaaaaaaaa agttcacatt tcaagttata aacttacctc agtagtgtac 240
gtgtgaaatg g 251
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<210> 695

<211> 388

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072914

<220>

<221> misc\_feature

<222> (1)..(388)

<223> n = a or c or g or t

<400> 695

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ccacacagaa ttatcagaga tgactatcgg ctcttaactg tgtctgctgt tggagctttc 120
tacctttgtg tctggctgtt ctgctgcata aactcttcaa caactatgtc ctccgatctt 180
gcaggaccag caaaggggaa aggagagtta tcaaaccctt ctctgggctt cctccacatt 240
cttgattcta tagaggtaat cacttccttg cttctcagcc tccccctcct tgccccatgg 300
ggagggcttg tttcccttct gaatctgtct atacaatggg gtcaaggtgc attanaaggg 360
aaacagtgtg gcatggggta cagggaaa 388
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<210> 696

<211> 506

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI072959

<400> 696

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caacaaatta tcctttttcc cccaaagtaa attgcactag ggtactaggg tttcttccaa 180
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gggatgattc catgagcagg tatgcacctt tgctgtcgca tagccggtca gcagaaccct 480
gcagcagcag gaacggcagt gtcagc 506
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<210> 697

<211> 242

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI073047

<400> 697

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cagctagcac tgaatcgag ggctgcgaca caatgctata ctggtgtggt gtcagtagca 180
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ta 242
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<210> 698

<211> 343

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI073059

<400> 698

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tctctgaggt ggggctgtcc aggtccagcc tgttcaggct tcacagccac acccacatga 240
gggctcttga gtgaggccgg cgtagaaaag gcatgggaac agaacctgta gaaaatccca 300
actaccataa ccagcattca ttcctacttg aagttaatct ctt 343
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<210> 699

<211> 595

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI073092

<400> 699

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ccattaaaag aaaaaaaagg agtcataaaa ttatattcac aaatatagta caatatgaca 240
aagcaattgg tcagtctttt gggtaaagga taacaaaaat gcaaaaacag aaattacatt 300
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tactgtttaa tttgaaagta tgaacaatgg tcctactaca gaaattataa agcaccatt 540
aatgtgcagt gaaaatagag tgtaatagaa tgaacagttg aaaaacacct gagac 595
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<210> 700

<211> 437

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI073257

<400> 700

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gaacaacaac tacagaaaag atactgtata gaacacagtg gacattaaac tgacagtagt 180
attagatcctt actggctcctg gttcattcaa tttttaccac atcttgattt gtactggaaa 240
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agtgcataac tgcgaaaacc ctaccacagg ataacattac aagcaaaaaa tgtacatgtt 360
ccaaagtcta gcaaactcaa gaagttacta agaactcttg cacaataaaa gtcaccattt 420
tagaaatgca aaccacac                                     437

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<210> 701

<211> 477

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI100769

<400> 701

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taattcttta aattccacgg gcatagtctg tgcttttcat catcctgaaa attataccca 180
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ctccctagaa aaaggataat attttctgat tgcgcaagca gtttatgagt gtgctatattg 360
agtctatattt gacagctgcc tttcatttgt tattggagag cctcttccag caggttcctt 420
ctccccctat tctagccaag gtgggggggtg tcaatgtttt ccataattat tcaaatt 477

```

<210> 702

<211> 476

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI100835

<400> 702

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acaaacagcg aactcactg gacagtcagt taccctcaca catgggaagg acaaatggat 180
gtactgtgga gccagtggt gcaagatgcc agagtaggga cagacgtgtg gaagagcgg 240
tcatggagtt agcgccagaa taactcagag accaggtgat ctgttcaaga tagaaatgga 300
ggtgccttcc ttccactgtg acccatttct ggcttggact catgtgggac ggagaccatg 360
ttaaaggtgc taaagagaca agacactgct cccatttgtt ggctatcaag gtccagttga 420
ggacttaggt gcgtgcactc taagtcagaa gctatccggc ttctcagctg tcggtt 476

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<210> 703

<211> 362

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI100871

<400> 703

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gctgggtccc atgcctgcca agtgaactca acaaggggta atcgattca cagctcacag 120
ttcacaaaag ggaaagagg gtggaggtga gggcagggac taggaggggt gctttttgag 180
ctgagtctaa aaaaaaaccc agtcaggatt aggggaaaaa aggagggagt ggcttccaaa 240

```



aggggacttg gaccaagctg agaggtacca tcttgcttcc ctaaaagctt ggcacagtaa 300  
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 cc 362

<210> 704  
 <211> 451  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI100878

<400> 704  
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 agtgagtggg gactgggtcca ggctggtaga cccaccaggg gatctggagg ccagtacctg 180  
 agatgggtgtc taagccaagt agtatctagc caggccagaa catggcctag agaggtaagg 240  
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<210> 705  
 <211> 498  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI101006

<400> 705  
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 gctctcgcag ttagtataag cagaacaagg gactccaact cttgctttca ttgttctaga 180  
 aaatacaaaa gctttgggtc caatttacac taatcttaaa ttttgggggg ttttcaaacg 240  
 cccattcccc attgtctttt tttttttttt aagtcacatc cctttgggtt tttgagacag 300  
 ggtctcactc tgtaggccag gtttgcccag gactatacac tctaggctgg cctcaaactt 360  
 acagcaatcc tcctgcctaa ctgtcctgac tgctgggatt acagggtgat gccacacccg 420  
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<210> 706  
 <211> 537  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI101130

<400> 706  
 atttaagtta aaaatattta atatcggata aaaacattga ttgacagttt aacatggcac 60  
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 ttgttggtcca aataaaagca atgaatagt atatatattaa tgccaattat tacaaaactt 180  
 ttagagaaaa ctcatgtatc tctaacatgt tctgctaaga gagagaaaaa aaaacgtatc 240  
 ttttaagatc catatgattc tgggctaaat tatcagtgtc tttctagtaa tctagaaatt 300  
 tcttcaaaca gcatttcttc tgttgggttaa ctgttcttac tgattggctc tcgcagtagg 360  
 gaatgaggac atacagcact tttcacactg ttcagtaaaa ccatataaat taaagatggg 420

tgctaagctt aatattttat acagaaatgt gtaatatattc atttaattgg actgaatata 480  
 ttttatgagt acttgggtac agtggttaagt cccccaatc tgtgatgttt tgtgaga 537

<210> 707  
 <211> 565  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI101159

<400> 707  
 acagcatcca gaatactttt attgccaaaa tcgaggtaca gcttgctcag gacccatagt 60  
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 agcgccagaa acggtatggg aaggcagtggt ggtccatcct ccaagtgggt ttgagaccct 180  
 gacctaaaag ctgatccaag cttatagtca ggtccactgt ccctaaggca ggccgagatt 240  
 ccccatccct gctgtcacag agactatgtg gcatccctgg gacaaacaaa caaaagcccc 300  
 tagctgggac tctaagttcc tagctctctt gggggccctt tcaaattctt ggactgtttc 360  
 cccgcaaacc aaaacccatt cagctggtag caagtgttgg gcagggactc taccacctct 420  
 caaccctgtg acagcccaag tagatggtag aaaggcccca gagcagggcg caccatggtg 480  
 gtggaattct caagaaggtg gtcctatggga agctctaagc aagcatgggt attcccttga 540  
 gctcgttttc ttcctaggac cttaa 565

<210> 708  
 <211> 560  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI101167

<400> 708  
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 atcccttata aatctttaag gctgtttccc taacacaatt tgcacttcaa agtaatacaa 120  
 tgaactaaac ttttagaaga caattaaaaa taaaaatata ttaaagatat aagtcattgac 180  
 aggatatcga gatggcttac aagtgggtatt tatacatattg attataacaa tgtatagatt 240  
 tttacaagaa gctgggacta gggagttcct aagaaatctt agatttttga cagttaattgg 300  
 ccagattaat aatgtctcaa gtcctaaagt ccttaaaatg ttcttccaga gtccacaaaa 360  
 gcaagcagaa tgttgtaaaa atattcttag ttgcatatat cttttaaaat aaatttgaga 420  
 ttattcagta tgccttacat agataccatt aattgagaat cgctgaggtc tccagtgact 480  
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<210> 709  
 <211> 579  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI101205

<220>  
 <221> misc\_feature  
 <222> (1)..(579)  
 <223> n = a or c or g or t

<400> 709

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taaagtgaac aaaaataaat aaggagaatg tattcataca aaataaaaaat aacatagtaa 120
aaggccaaat gtttataatt gaacaaaact gtgtaaacaa acaataatgt aagcagataa 180
tttaataactt tcttagactc ctcatcttgt actctgatgt ggacagactc agtaccaaac 240
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tgtttcaatg ttttatttgt tccttcaaag catctcactt ttctttttac atctgttgaa 360
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cttttctttt tttttaattt aaagaaaaat atgagatcca ttacacagca gacttatgtt 480
ttacatctta caaaagggtt tgcattttta ttaactgata cagcgtcaca ggatttctta 540
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```

<210> 710

<211> 349

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI101226

<400> 710

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ttaatatatt tatttgaaca cacataaaac atattcaatc tgggttgcag caaattacaa 60
agaatttaag agtctggtaa tggttatatgc tactccattt accactatgg gatgtctcct 120
gagcttttga tcaaaatttt attggaaatc attgaaaatt cacctgttgc tcaatgaatt 180
gctcaaatga tgcatgcact gacaatgtaa ctgatctcaa caccacaggg agaccctgat 240
gtgtaagtag agccctctga gagacttagg taggtcaa atagggaagctg ttaacaatat 300
ggcttgccctg tcccaaattgg gagcactgaa gctagctact gacagaagc 349

```

<210> 711

<211> 473

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI101229

<400> 711

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aactctgttg atcacacaat gtcaaacact agaaaaacga agccatacat gttgatagag 60
caaaatatat ttctcaacaa ctcatgaaat ttgtctcaca aagtatggca tagaacagtc 120
acagtattaa gtattcaagt aaagtttgtt gttaaaatag gtgcacaggg gtaataaaca 180
ctgggatctg gccttcagag aggacaaccc atgggacccc atttgaagg tgttacatca 240
cagaataggc ttgcttacat tgtgcgtctg atctttattc tctacaccc cccccccca 300
gtcctgaaga acaaagatag agaaagaaga atcacttgct acgaggccct gcttcaaggt 360
ccctcagatg gaaaaacaga cgaactctgg tacttttagt agccccacta cctgggagac 420
atgactatca ggcttatgtc atttgagttg ataattactg ccaagaagtc ctg 473

```

<210> 712

<211> 374

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI101256

<400> 712

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aacaatcaca taaggaagca tttatttgag gttgaacatg aagtcacaca aataaaaaatt 60
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aaaggaacta attggcagct atgtacagtg ggacacaatt gtgtcatgta cactacaaag 180

```

tctttacaaa ataatcatct taggtcaaca gaagatcaag caaccttcaa tgtcgtcctg 240  
 taagatgggt tctttacacc tcctgctctc ccagcgtcct cctttagtag ggctggtaat 300  
 tgttctgggtg attgccaccc cctcgggatg ccttgccata agtgctctgc tgaccgctgt 360  
 agtctcctcg tgcc 374

<210> 713  
 <211> 464  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI101262

<400> 713  
 aagggatgtg cctttaat tttttttatt taactttaat tttttttgt tttatgtgta 60  
 tgggtgtttt gcctctgtgt atgtccgtat agcataagca ttcagtgtcc acggaggctg 120  
 gaagaaagca tctgatccac tgggacgagc tataggtggc aaaggaggc actatgtggg 180  
 cgctgaggaa gcagatattg aatgagtgtt atgggctggg gagatggctc agtgggttaa 240  
 ggtgcttgca gccaaagggg ccctggaggt aaaagaatag aaccaattcc tgtaagggtg 300  
 cctctgacct tcacacacat gctgtgacat gttgacacac aatacccata agcataaaag 360  
 aagagctgtt cagggctagg gagacagctt agttattaga aaacttctgg ctacataaga 420  
 ctgaggacct gagtttgatc cccattaccc atgtcaaagt ccag 464

<210> 714  
 <211> 391  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI101362

<400> 714  
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 agccattaga tgatcaacaa caagacatca ctggttgga atccatttcc agagccaccc 120  
 tcaagttcag agcaattgac gtcgaagccg ctgcctttct ttcctaacac tctgcctttc 180  
 acacacagcg ggagcacgcg ggagcagctc cttctcacat gggcttctca cgatttctctg 240  
 gtcctccttg tgctgcagga cgctggagga cattccatac tactttgttt ctaaggactt 300  
 taaagaaagg aaggatgctg tttttctttt tgtccaacat cacgaaggca aaaataaatt 360  
 gcaagcagcc tcggttactc agaacagaac t 391

<210> 715  
 <211> 210  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI101443

<400> 715  
 gcaaatgttc aaggggtttct ttttatttta tttttaaaat tttatttggg ttttcttaca 60  
 gaggttgaca atgtccacaa caggtgtcag agtgttttaa aaaaaacca cagaaataac 120  
 actgcaaacc ttttggggag ggcctgaggg aggggactta tctggatcat attgcacact 180  
 gccctgacca atccttcctt ttgcccacaa 210

<210> 716  
 <211> 590  
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI101500

<400> 716

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ttttaaaacc tttattcatc actttiaccaa cttgacacac aatgttaata acagcaaaca 60
caatgaacga aatgttgaca gacacaagct gttcacaaaa gcaatatgag ccaggccata 120
tgtccaacta ggtgactgga tgccttgacac tataggaggg acagcagggc catcctgacc 180
tgacattctg agcaagcgtg gtttagatgt cagcataagt gtctttgagt caggacacct 240
gtgacatcaa cattacccat cacactgata aagtataaaa ctccatactc cctaacatta 300
ataaaatagt gtaaaaatat atatcacata tatataaact taactccctt tcttgaaaaa 360
aaaaacttag tacaaactag tagtaatagc atattattcc tttcaagttt aagttgtaca 420
ggcttccttt gttgtttggc ttggtttagt taagaagtct aaaggaagag ataatttaat 480
catccaaga tggccacacc cctaaactgt aaagttcaaa atggtcagta gtatgttggt 540
gaggaagagc tgtttggtc aatgttgga ggctattctg tctactgatg 590
```

<210> 717

<211> 182

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI101534

<400> 717

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gaaacaaaag gctcagtgtt taaagtagtc aggatccgag gtgcttggtt caaagcaatt 120
acaacaggaa aatactcact gagtgaatgt ccggtccctg atttgtgcc ttcactgcac 180
tt 182
```

<210> 718

<211> 465

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI101582

<400> 718

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ccccattgag ccacaagcca ttcagagtgt gcagcctggt ggccatttta tttctctgta 60
agagatcagt tcaaggtgtc gtctgcaagc ctaaaactcca tggatgatgc tccagtgagg 120
gggtgaaact ccacagcata gctgactgat tgagggccat ccagaggcgc gctaggatcc 180
agtgtggcac tgaggaagta cacagcttgc ttgacgtggg ggttccagca gcagtcccc 240
ttgtcctctg cagggttcat gaggccggtg ctgaccgtgc tatctggagt cagctggtat 300
tccatccaca ggacagctcc atggctcttc ccgggcctcc tcagttccat cacgccctg 360
gattgcatag gctgctgggg gatgggctgc tggaaatcaa aagtcaggat ctgtcgaggc 420
tctgagaggc ttctgcatgg gtattccac agtggtgtg gctct 465
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<210> 719

<211> 453

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI101708

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<400> 719
aaaagttttt tttttactta gtttttttaa gggttacaaga ttgaatgcac aatatgatcc 60
ggttttgtga aaataaaata tacatatata caaacaagat acataaaacc acttggaaag 120
gtatacgaag atatgtacag tgtgtactaa ggatcaaact aaggtaatta tatcttttcc 180
ttgcttactt ataattcctg atttttatag aaacaaaatg atttaataat aagaaaatta 240
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aaactcaaac tataggcagt gtgttggttc tcagaccttc aattgttttc tccttcagct 360
tctgaatgct aactatgaag gttaagactg tctaggaatt acatatcaaa agaagtatgt 420
atgagcaggt agtttgaaga ctctcttaca agg 453

```

```

<210> 720
<211> 595
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI101901

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<220>
<221> misc_feature
<222> (1)..(595)
<223> n = a or c or g or t

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<400> 720
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catatatata aatcatgca taataaaaaa taaaaactgt atacaccatt catgggtcac 180
tcttttagtg actggatgtg attacaattc actggagtga ttacagcatc catcactcgc 240
ctgccctgta aacagtgtct gcttcatctg tcctgtgatt agtgcttcca acagtctgtc 300
tctgacagac gccttcccaa gcagcttctc cgatttgctc ttatatactg gcatgtagag 360
aacatttcaa ctgatataat atagagattg ccacagcaga tgcttggtt tagaaagtta 420
tttgagaaac tagaaaattc tctacatagg attttctcta atagagaaaa atatgcattg 480
atggtatgtg aatacgtaat ttcaggagtt agaactgaag aatttaggat ctnccttcc 540
acctgcagtg aaagaaggtt aaggatctca accccataaa acgtgattag taatc 595

```

```

<210> 721
<211> 484
<212> DNA
<213> Rattus norvegicus

```

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<220>
<223> Genbank Accession No. AI101921

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<220>
<221> misc_feature
<222> (1)..(484)
<223> n = a or c or g or t

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<400> 721
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gaatcaggca aatcacgaat gcataaatac cacagcacag ccagacttgg ggggtggggtg 180
gggtcacagg ccacagggga ccatgtctca aaggcagtca gaggcattaa atacaggggc 240
taaacgtag agtccatctc accgtacaca taactcatatc attaaaagta aggagaccac 300
ggatgtacg tgcaagcagc tttggtcaga gaaaatgaac aaggagggtg gagccatgca 360
caggaagggc ttgcctgtct actctccatc ttcttcatcc ccacaaagtc acctgggagc 420
atagaatgaa tcanctggtc tcggtaggat actgaaaagt cgtgtctggt gtccttaagt 480

```

gcct

484

<210> 722

<211> 551

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI102009

<400> 722

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ataagaacag ctttttattc catgggtttca aatacatagc aaaccgacca tgttccctga 60
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tccacttcac aaagctttgc acagaacagt ttaagcacca gtaagactgt tgttagcagt 180
gctcttatcc cttcactgtt acagtcaaac atgcaggttc aacctatgtg tctgacctg 240
taaaatggat gccacactca gccttgtggt acaaagttta taaacacaat ataccaatac 300
aaagttgaag ccattaaaaa gagcttaata acaactacca ggagacgatt aaatctggga 360
agttgagggg atccgaagag gatttggaag ggacacgcag acgtacatta cggtaaagt 420
tttactggga agaggtgcga gggaaacttc tttgcgcttt ggaaagactc acttgctccg 480
agcctacttt ctttctgcta ttatctttag atactgcagg gcattgtgag cggcgctcact 540
ctgggcattg c 551
```

<210> 723

<211> 384

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI102017

<400> 723

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cacattaagt caagcttgat ttacaccagt ttaaaacttg tggcaattga gttcatttgc 180
gaccacaaa aagtacacaa agaacgttat cctccaaccg ggcacaataa aaccttcact 240
aacattctgg ccccgctctg gggcctatcc cagaggcccg aactccagaa attaagtaac 300
tgtcatataa tacatccac ggctaaaggt ttgttacatg gagattatgc atgtgcctcc 360
ttttccccc gaaaatttat ttaa 384
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<210> 724

<211> 625

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI102045

<400> 724

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aagcaagggt gtcaaggatc ccatagccca gtcacagtgg gaagcagacc cctccccttc 180
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tcccagcacc tcctaaagca gcaaggtgat cacacctgta accccagcac tcaggagggtc 480
agttcaagat cattcctggc taaatgtgag ttgaggcccc tgcttggaat tcatgaaacc 540
```

ctgtctaggg gtagaggtaa gggagaaggc taagctatTT taaaaaagga actgaagagt 600  
agccccaat ggaaatggct cacac 625

<210> 725  
<211> 615  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI102093

<220>  
<221> misc\_feature  
<222> (1)..(615)  
<223> n = a or c or g or t

<400> 725  
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agcaggaaga gagctggggc ggctcggtgc ccttgccctg tccgcccccg gctaccaaac 300  
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cctgggctgg ggacaagggg ggggcggctc ccccagctgc caccgcctcg gaccggcg 480  
gacccccacc actacctctg cccggggcgc caccctcgc gccaccgcc actgccggga 540  
ccctggcggc cagtggggc agatggaaga gtataaggaa gagccctctc ggggggtggc 600  
gcngctcggg agcct 615

<210> 726  
<211> 485  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI102190

<400> 726  
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tcaaagctag atgtcagtct aagatttaca acaaaggaag aatgtgaaac taaggaaaag 180  
aaaaagcaat cactcacaat gaccacaaaa aaaaaaaaaa aatccaaaga gtccgttctt 240  
tcacagacat tgattgtctt ctctaaatta ataaagatta ttttaacata aactgtatta 300  
aaaaaaaaacc cagaaactct tcaagtaact aaagataatg ctccaaggcc attttcacag 360  
ctttttttgt ttgcttggtt gcttgcttta aatgccatta cagccaaatt aacatacatt 420  
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agcac 485

<210> 727  
<211> 552  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI102258

<400> 727



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ctccattata aacgttttct ttttaatttaa gaatactgat taacacagga aacattttaat 60
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attggcactg ttgacgggta ctgtaaacaa gatcacttgg tttgcatgag tctgcatgac 180
tcggaagctg tgggttttcta cagtgaagctg atatatatgc atacagagat agggacagat 240
ctattagtac atggatgtgc acagttttgc atgggttactg agcatcagta aaaattataa 300
aaaaaaccac ccattttataa taaaaaggga gcatatgcta agacttgcta gtactgggcc 360
tcgttttctg cacaactggc aagattggct aaagctgggt actaaactct actgcactaa 420
tgcgatgatg gtgttcaccc agaccttccg aacagatgcc ctgatttgtg gggtctgccc 480
taggcagaag cctgcccact aggtcttctg tgtttcatca accttctcta agttctacaa 540
tcttgaattt tg                                     552

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<210> 728

<211> 625

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102560

<400> 728

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tataaattat tgcttcctac tttgataaat acacagcaca gtcatatata cagaggcaga 180
gaacatgaac tatgagaaaa aaaaatcaaa cactgtcaat ggcagtctgg taagtcaacg 240
aatgtttcat atttaccagc tcttataatg gtggaaaact acgaggtgta gtccctgaga 300
agttaggtag atgcccggcc tgtgggcttt ctatcttcta attgttatcc caagctgaca 360
gcatcatggc agtcctaagc aatgagacgt ccaaaggcaa gagtccttgc ttctggctcat 420
tgatttcacg ctgggtgttta ataacagcgt aatacgaata caaataaata ggctatgcaa 480
ataaatattc ctctgctaaa aatgcttact tagtatatac agctttgctt tatacagtag 540
tacatttctt ccgacttttt ggcaattttt aaaatggggt ttccctagag caaaacgggc 600
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<210> 729

<211> 405

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102562

<400> 729

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cacttcaggc acagcacgtg cacttgtccg aggcaccttt gcaaacacag ccctgggcac 180
atltggagca gccacgggg cagcaggagc agcagctctt cttgcaggag gtgcatttgc 240
agtttttgca gccgcaggag ctggaccagg tgcaggagcc gccggtggag caggaccagt 300
tggggtccat tccgagatct ggtgaatctg gagcaacggg gtaagctaca agaaggcagt 360
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<210> 730

<211> 564

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102576

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gaaggggaaa cttaaaggct actaaggagg gtttagggga tttcaactta ggacaatatc 120
tatgagcaaa aagcaatcac acctgcttcc cggatttgca ttaacaaaac accatgtgaa 180
gtcggggaaa gacacgctgg tgcaccctgc cctgcctccc acctgcttaa gatgggtgta 240
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tgacaagctg ctgtgcagggt gaagagggtgc tgtccccttg cagtcagttc actgctgaca 360
ggcttaagga catggcaagg aaagggacat cactcttttc tggtcctga ttggtctatg 420
ccacatgcca tggctcctgt cctgggcata tgcccctctg gctctcttgg cctcataagg 480
ggtacttcaa tgagtctggg caccaagtac aggataaaat tattcctatc ttttaaaaaa 540
aatggccaaa aaggctcttt tggg                                     564

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<210> 731
<211> 478
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI102578

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agcatacaaa ggctgtgtgc attgcttgcc ctggccagct cggtaaagca agtacctggg 180
aaaggggaca gaggagagac ttcagatccc agcctcgaac catgaggaag caagcctggg 240
tcagggctga gcagggcttt catggctgga ggaatggga taagtgaggc tttgcccctg 300
gccctagga gctggatggg gctactcagg ccgttaaaag gcagactaca gtgtaggaag 360
gcaaaggctg ctctaccaa gacaaataat cactggcaag aaatctctca catgctcaca 420
cgtcaactcc ctttagtggg gtctggaccc cactggacca acatctgtcc aatcatgg 478

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<210> 732
<211> 547
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI102634

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acattgtccc agaatagctt gaggtataat tcattcagga actatccttt gcaaaggaga 180
tgatcagcat ttcaatagta tgtcttctg gaagggtaga ctctgctata tcttcttgt 240
ctgcatcaaa agactccaga ggaatgtgca cacacctcat atcccacttg tagagcaagc 300
cttccagtga ccagtcagca cttctgacct ggtatgtaga ccagaattga actttgggat 360
tcttctgcat cagaaagtat actgtggcta aaatgcttcc aaagtcttct gggtcaaaga 420
aaacatcaga tccaagaatg atgtcttgtg gtggcaatga caaagtgtcc tttgatatgt 480
ggccccacgt cagtcttaca atttgcacct gtggcaagtt attcattctg gcaactttgc 540
caacaaa                                     547

```

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<210> 733
<211> 581
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI102739

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ttttttccct agctacctgc ttttctgccc cttggaatct gtcgctgcta aacgaggggtg 180  
ttttccaagg taacgcagct gtaagagaag gaactgtttt atatatctat atttcaaata 240  
tataaaaatt gaatgactca aatacaccgc tgttctcatc caaccaccag agtggttaagt 300  
gaagcggagg aaagaggcac aggaagggtg actgaggtgt cttccctgcc tgcccgttcc 360  
tttaacttct caacagaagc caggcagctc tggaatgctc tgaaacggat ggtggtacat 420  
acggattgga aagtggcggg caagggcaaa caaaaactgc tcccacatca tctttcatta 480  
aaatccaaag agaaacgtaa gccacacccc tctcccggcc aagccatcgc tttacacaga 540  
actgcattta gcttcctggt attttgtttc tttagttata t 581

<210> 734

<211> 587

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102750

<400> 734  
ccaagtaacc ttaattttta tttaaataac ctccagttag agcacagtta agactaacca 60  
tttttctcac cccccaatac acctcacaag gaggtatgcg gactgcctct caatggaagc 120  
ggccctggcc tctgccccgg ccagctgctg gagctggagc atccacagtg gagcgggggt 180  
tcttgatagt ctcatccaca gacacaatca ggcacgcagc ctgagaagct gctgtcagag 240  
cgttgatgcy caccatggct ggctcccaca caaatgcctg gaagttgtca gcaatgtcct 300  
cgttggtgat gtcaccccca taccacatgc cccctgtgct atgtcgagcc cgcagtttgt 360  
tgaggatggt tgtggcatca aagccagcgt tgtcacacag ctgtcgtgga ataactcca 420  
gggccttggc atatgccccg atcaacattt aagagggcaa tcttgggggt cttatacttc 480  
ttgggctgca tttcaaacc agcataagag aacgtcttct tgaacgcaac accagccact 540  
agtcgagact cctccagggc tccaccctgc accttcttcc tcgtgcc 587

<210> 735

<211> 700

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102753

<400> 735  
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atgtaacaaa gaaaagagtt aaactatata cattaaggaa aaaggaaaga aaacctttt 120  
ttataccaac cttttcctat taatgcagtt tctgattaga actaaacatg tctctttctc 180  
aatttaattt aggatgaagt aatagaactt ttatgatcaa cttcataaac tgtctttaag 240  
gagaaaacga atttttaagt ggggtgtcacc atattttacca gtgaactggc tgcattggtg 300  
ccttgctctc ttgaagtctg gctatcatta gaactaacia gatcaagtcc atgaggccct 360  
cggggaactc aatggctgtg acatccaagg ggagggcaca taccatacat cacaatgatg 420  
aaagttaatg ctcttaccct ctgagtccat gtaaaaaaac ttattactct cattcaaact 480  
aactgaagtc aaacagttta aaagtcagaa tgaagaataa aactattttc ttttcacaga 540  
gaggagggac actccttcag ctccatttaa agtgaattct gtgctgagtc cctgctcctt 600  
cagaacagta aactgaaagt cagttattgc tagcaaagct ccagtggtct ctttctacc 660  
tcaaagatgt tccacacaaa aaggctattg gtttgacttg 700

<210> 736

<211> 531

<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102812

<400> 736

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acacttttaa atataccttt atttctcaaa ctcaaagctt ttattccatc aagtttctaat 60
acatatgcac tgagaagaaa tctcatctgt gtcacataag gaggtgagtg accggtacca 120
agaaggaacc ccgtatctct aggcaactgcc aaggaatagt tcaagcctat gcagatacag 180
aagagaaagc ttccaattta gtccaaagga aattttactt ttcattccata ttaatgtgga 240
aatagatgct tcaggaaatt taagttttca caaatacaca caccacagag ccaggtagct 300
ggattctctt ttgtaaagac cacagatcat gttaattagt tctaccctcc tcagtggatg 360
gtcaactcac cttcctatat aaacacacat gagaatttgc accaaatctc aacagccagg 420
caaaactcta gaactcaaaa attcttgaag cttatacttt aaaagtattt ttttaaagtg 480
acaggtaaac aaggaggcac ttgaattcaa aaaacaaaaa tcaataaaaag c 531
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<210> 737

<211> 565

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102820

<400> 737

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cactaagcga ataaagttca tctggtgcaa ctgtttgttt caagatgtag acaactgtca 120
gcggaggaca cacatccttc catgccctaa cccctgccc gcccacaaact tctacctcac 180
caccaaaagt ttggccaata ggctgaagcc ccacaaagga atacttgaga agtgacatgg 240
cacagagaca tctccacaga ctctggtgtg ccatccctaa gtgacaactg tatcgcttca 300
gaacttaacc cccaaccctt tttctaaaca ttttctctgt tgggggtggg aagaacttca 360
gttaccatc aactaagaaa gtaaagcagc cacatgtctc ttccacatg ccactgtccc 420
agcttcttcc tctgaggagt gtcttgcttc aactcttcat gttatccctt tagtgtgaaa 480
cctactacac ccacaccatt tacaaggcgc accaggtagg catgggggtca gggcaggcat 540
agctcctaca tacaggaaag cttgc 565
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<210> 738

<211> 489

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI102868

<400> 738

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acagccatgc gatcacagtt tgggggtggg ggtgtaactg agttttgttt aacgggtctaa 180
ccgaaaagca aagaaacaac catttcttct acttgtggca agaaaagtta atcatggaac 240
tcttagatcc ttctcatgaa gcagctttta aagaaatcgc ttctccagag cttcatcccc 300
tttgctgtta ccaatgcgaa acggaatgtt catcctgctt ctattctggc gctccaccgg 360
acacacataa aatccttgag aattatcaat aatctcataa atcatttggg atttgacgga 420
gctgagcttc tccatggctg cggaccaccc attgttactg atccattcca ggatcatgcc 480
catgacgta 489
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<210> 739

<211> 562  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI102871

<400> 739  
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 ataccgctcg gcccactca ctcacaccag tgacatgtga gggtcagacc cctaaaattt 180  
 aggagctgt tggggaagaa ctgttggttt tcaatctttc ttagaaaaga aaaaagcaca 240  
 gggatgcact tggccatcac gatgctagcg atgtttgtgc actaactcat ggcagttaac 300  
 actgagaact cctcctccac tccacacaca gtgacatcag cctcagtctc agtgctgctt 360  
 gtactgactt ctcaattcac aggggctttc ccaaaaagta attcaagttt atggaagtga 420  
 aataaggcac aattaatatt gttttgacct aacggaagga aaggaaagaa ataaaactgg 480  
 tttcaaaata tcttagctgg gaactgttga ctttaattcta ctggaaatcc cttcttcaaa 540  
 tcttataaag acatttttcc ct 562

<210> 740  
 <211> 585  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI102905

<400> 740  
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 agtgattaag atgctggatg aatagccaaa gaatattatc aaataacaaa atctcaacaa 120  
 caatttatca aatgaaactt tactgagaca taagagaata tgtgttaaga gttaacatgg 180  
 ctaaaaatga gacatcacag aaatagtaag tccataaacc tagaacaggc actcaataac 240  
 agaagtgatt aggtgagcac acactacaaa ccggtatttg aagcagcttc tagcaccaac 300  
 acattggcag gaccagcagc gaggcaggtc attcaaccaa ggcattctggg aatagggagg 360  
 agatctcagc caccttctgc ttctactccc ttgtgacaaa gggggagggg gaggctcaga 420  
 gagctgatgt tcctggctct aagtcgcctg gcccaggact gacattgacc accggaaagt 480  
 gctctattcg atttaacttg acatattttt cctactgaca ggcatacgat gaaagaaaac 540  
 aacaagcttt atagcatagt tcaggatgac atttatttctg ttgga 585

<210> 741  
 <211> 573  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI102943

<400> 741  
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 tcttcagtgg caggtggcac tggcctcaga cccgtaacca gctgccaggc taagagtagt 180  
 gaggggaacg agagtgccca gggccagggc aggaggctga cccctctcgt cctatgacac 240  
 gagtgccacc aggttggcag ccaccactgc tgaaccgagg cagcctacgg tgggtggggg 300  
 gagccaggcc tcagcagggt ctagagggat gcaagcagct ggtctggact cccagaatg 360  
 tatctcaggc agggaaactg aggtctgggg ggcagtgtag aaggtgggga gacctcagaa 420  
 ctgcacacac tccagaccag ggccaactcc tgctcagtca ccatcactgg gactgagcga 480  
 agggacgctt gcaggaaggg ccagaacctc acgtggctca aatccagctg ggggaccagg 540

tgggttcaat gggggcagaa gtgacaacag gcg

573

<210> 742

<211> 394

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103071

<400> 742

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actgtgaaat ctgtaataca gaatgattct ttatTTtgac acatttcaac tgtgaatata 60
acttggtaac taataagaga tgttcacatg aagtaactca agccctctta acttctcagt 120
ggattcttta gccattacaa atggaactga tgttgacaga ccttaagggc tcccagtaac 180
ctgctgtcct gcaaaaggaa acaatgccca tccactccat tgaaacagaa ggcataatta 240
tcgaacagtg cctagaaaac agaggggacc gagaaaagta cagtgttgcc tgctaggaaa 300
ttgcagttgc ttgagaataa taataaaact gagattcact gtcagaacaa agaccttcac 360
tgcacggaac tgaaaaaaaa aaaaccctcg tgcc 394
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<210> 743

<211> 489

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103078

<400> 743

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ggcctgtgtg ggtcctggcc ctctgtggtc tttaccactt agaacctaga atctaggccc 180
agatctctac acagtttgat gctatcacia agtgggggtg ggagagggct ctcctatttg 240
gcaagctcct gcagtagcct ttctttgagg gcagtgaccc cgactatcgc tgccctgggt 300
taatatatac agtagcttca tagctcagat gcctatgtcc ctttgacagc ctctgagtcc 360
ccagggtact atgactagac aagggccagt cagaggttgc ctctgacaca cctgggggca 420
gtggggcagt gtctcaccac ctgttccctt tctccagcgg ttccagtttg tggaaatccc 480
cctcgtgcc 489
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<210> 744

<211> 432

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103097

<400> 744

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caggagcctt tcggagaggc tatgaccggt attacaacia gtacatcaac gttcggaaaag 180
gcagcatctc agggattaac atgggtgctgg cagcctacgt ggTTTTcagc tactgcattt 240
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agaacactgc atggccgagt gtaaccgcct ggcccgtcc gatctgctta accttcacac 360
cccaaccaag aactagggtc caataaaagg tgacgggact gggttcacgtg aaaaataaga 420
aaaaaacct tt 432
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<210> 745

<211> 586  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI103101

<220>  
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<400> 745  
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acctctggcg tatgcgtttc cagcgttgca tgttgcgata gataagtgtg gaaggagaag 180  
gttcaggctc ggagggttca tcatcagtgg taccctgggt ctcaaggctgc agtggggatg 240  
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acacatcacg atttttgctg ctgatgacct ctgagccctc tccatcctct ggcagagggg 360  
gcagtgtgga gccaggtgag cgctcgcgct ctgcactgt agggctgtta cgcattccagg 420  
cgcggcagat ggggtacaac ggtgtgttct cactgaactg ggccaagtcc aactccggg 480  
caaacagctt gatcacatac gtattggatc tctgaggacc cccctcagca agcccatcgt 540  
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<210> 746  
<211> 479  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI103159

<400> 746  
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gtgggacaca gggcagctag aatccagaat gtggcgcttct ttgtgaaagc gactgaaaga 180  
ctaccacaga ggtggttagag aaaatgatga tgcagataat gaccatgagg aactgaaga 240  
tcaggagact gatgttcagg cacttggcag tggagggcgt ggcctgggct ccaatcacat 300  
tggccacat cttcctgtcc ctggacttca cagagtaggc ataggcaatg aagcccaggc 360  
agcaggcatt gaagaagagc gtattgaaca gggaccagac cacatggtca ggcacagaaa 420  
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<210> 747  
<211> 498  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI103224

<400> 747  
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tcttactaa agtagccaca gtcttctcag caagccccgt ttccactacc tatccccatg 180  
ctccccgcc cctccccaaa gcccttttca gggccatagc accagcgagg atgctcatct 240  
gaccacactt tgaccacacg gaaagcagga acttaacact gggcagagct gattttgtga 300  
ggtgaacaag atgttggcgg tggcaaggaa tggcgacaga gacaagggtg agtgcaccct 360

tcccacacac ttgccctggt aggctgtctc taggtcctca gaggcgataa ggggttcctt 420  
 cccaaccac tactgtctcg ccattgatgt aactggcatc ttcagagcac aagaaggaaa 480  
 ctataccgac acaatcct 498

<210> 748  
 <211> 501  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI103246

<400> 748  
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 agcaaaaatg gttggatagc aaaaattaag ggtaagtatg atcttaactt attattcact 120  
 ctgacgtgt cacttccttt gtcttttggg tttctgagg gctttctttt tcctgaaatt 180  
 cttctttttc ttgatgatac ttttcacatc tctgttgagg agccaatcat cacgctcagc 240  
 ttcccacttg agctgtttga aacttgcatt gtctttgtta gccatggcgt tcatgccagt 300  
 cgtatcaaac ttggagccca tattttcatc caacagatga ccaaactctt cagcagagac 360  
 aaacaggctg gagtcattga aacttttctt ctttttcttt tgtccttgaa atgaccagc 420  
 aaagtcaaaa tcatcttcac tcttcctctt gcttttctta gtactggctt tggggctggc 480  
 ttcaccaaatt tctggaacat g 501

<210> 749  
 <211> 405  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI103548

<400> 749  
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 gcttcagatt ttcttcctta actgcatcta ctcttcgaga aagatcttca agtgtgtgct 180  
 ggagctccaa cacctgatta atgagtcgag tcttttcttc cagttccact tgattttcag 240  
 catcaactgc gtccatgtca gcattcatca tcttggggaa cagacgttca gctcccgaat 300  
 gcaaactctt taatgaatgg tcttgcggtt gaagcgccgg gaaaaggcgg gataggtagg 360  
 acgcctcagg ccgcggtctt ccgaccaact gacagccctc gtgcc 405

<210> 750  
 <211> 514  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI103550

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 ctatgtagac cgaccttgaa ctaacatctg cctgttgagt gctgggatcc catgggtggc 360  
 tgtcaccaag cccagcttca taactacttt tcaccacaga tgatcttaag aattctaaaa 420  
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514

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<211> 532

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103694

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ggttcttata aagcttacgc tgtacagtgt tgcttcagaa tggtctctctc attacctttt 420
ccctcttact gcgcaaacac tgaggcaaag tagctttata taaaaatact atcttatattc 480
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<210> 752

<211> 575

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103708

<400> 752

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agggcctgat accttgggtc gccacaaac actcttgttg ctacagcaac cagtttgcaa 420
acagaaacga tacaggataa accaaggctc tgtgataaca tcagggctaa gtatcccttt 480
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<210> 753

<211> 573

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI103730

<400> 753

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aatccaaaaa gacataattc attctgagtc cagatcagag tcagggtcac ccacggagac 180
ctctgcagtg ccaggtgtct caagccaagt tcccccggtg aggaaaaccc aacagactac 240
cttacgaagg tcctcctttc cactcttcag tggcgggggtc tgaacatctg aaaaccagta 300
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taaggtaata aactaacctt caatataaaa actcccaagt aatcaaaaagc tgaggggacac 420
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aaagaatcac aagttaagga ctgaggtgcc atgactgtca tttcagttct tagcaatgga 480  
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<210> 754

<211> 398

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI103758

<400> 754

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gtcttgctag ccaagaagaa catagctttt taaatgccaa tgaatcacat tttccacaag 180  
tattaagact ttaatgtctc cgaataacaa ctttttaaaa tgcacttctt atttattttt 240  
ggtttttcaa gacagggtta atttgtgtag ccctgggtgt actggaactc actctgtata 300  
ccaggctggc ctcgaactca gatatgtacc tgctctgccc tcccaagtgc tgggattaga 360  
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<210> 755

<211> 648

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI103955

<400> 755

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tcagagctga gaacgaggtc ctccaggccc aggtgggtca gtctgttca ggggtggcag 180  
tgggagcctc aggctactgg gaaataatgg ggcaggcgct cctggtaaat gccctcgctc 240  
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tcaagtagca gctgcggagt tcagccgcct ggctggcagt gggttggccc acagcgatgg 480  
gccccaccgt gtggatgaca tgcttagctg gcatccgata gccgcaagtg atcttggtt 540  
tgccggtctc gcagttctgc aggggtgcggc attcgtccgt caggaaggat cccgcggccc 600  
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<210> 756

<211> 590

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI104254

<400> 756

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gtgggcacag ggcagctcca ccctaaacgc ttaggtaagt ttttgccaca accaccagct 180  
ttgtccaggg tctgccatga ggggcctgga gcctcactag atctggcagc taaaggctct 240  
cgcataccct tagaacagaa tagaaccggg aaacaacccc aacagtcggt cttttacaga 300  
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aaaaataaat accgttcaat agactgcctg ccatccagcc tgaacttaca gggcacagcg 420
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agttatttga atgatccatg aggacagtag acaggaggat cataccagag ctataacgat 540
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<210> 757

<211> 577

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI104482

<400> 757

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ccatgtggtt gctgggattt gaactctgga cctctagaag agcagttagt gctcttaacc 180
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aactgcatgg agcttttctt tctcattggt cctgattaac tctttggaaa ttctcatgga 540
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<210> 758

<211> 586

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI104523

<400> 758

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tggtcacaga ccacattctc atgttacaag attcacatct ctggtaatcc aaggactgtg 180
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actcagctcc tgactatact cgtggccaaa cataccaca aggcactggc aaccagctcc 480
ataccggtgc caccagctgt gtgagcacia gttccctcaa ttccagagca aagactcttg 540
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<210> 759

<211> 395

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI104608

<400> 759

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catttcttct actgtcccac tcagcatagc aattcagcaa atgatcaaaa gggtttataa 180

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tgcacatcaatt agtccatata agaattcatt caatttgaaa aatagccagt tccgtcatat 240  
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 ccgaagctac agacgttgag acgcgaacca atcttggtggc tgataagtga attctgaaat 360  
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<211> 477

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI104659

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 acttttttaa tgtgtaaagt tagccaactt tgtaatacag taactccaca tggcagtgtc 180  
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 tctgtaaaag gcaaagacaa tcatactggc aagggtatata acaaattctg gccaaactgag 360  
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<210> 761

<211> 439

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI104675

<400> 761

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 tgagcttcat cttgttacat cttgatacga agagcccca cgcgtatcct caagggaagt 240  
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<211> 485

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI104683

<400> 762

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<212> DNA  
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<220>  
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cataaaagag atccaagctc cttttgagct ccacagagcc ttctgcagct gcctcctgtg 300  
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cacagtgtct gcc 373

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<212> DNA  
<213> Rattus norvegicus

<220>  
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ca 422

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<211> 547  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI104908

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agtgaggagg gaggaagg catatcaaat gaggggaacat attaaagtga gtatgagcaa 480  
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 <212> DNA  
 <213> Rattus norvegicus

<220>  
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 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI105113

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 aaagttaaaa ccgccttcaa gattactttt tatatttaac tgtacaatac aggtattgac 240  
 caattttacaa gtattttacat aaactaacia caattttatta aacagcatag cttgatctga 300  
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ttatttataa ctttattgtc ttatctaaaa cactttgtag tggcttactg cctaaaaatt 420  
ccagttttaga ttataatcta cagacattgg attccacaaa taaccttagc ttcgatgttt 480  
cagttttctg tttcctatca tgaggaaaat aaaaccagga aaacggaggt gaagcaacag 540  
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<210> 769

<211> 596

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI105131

<400> 769

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gagtgtgga agacagctcg ggcatactga tgtagcacgc ggttcagtga acagtgttgc 180  
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<210> 770

<211> 570

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI105145

<400> 770

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aaccatgtaa aatttacgag tgcagagact tgcactggaa agcccaaacc tataaactcc 360  
aactgtcacc aggacttttg cagtgtcact tctactgtca tgtacacaag ccaagtagag 420  
accactgtct atactttaat cataaacatt tcttcttaaa acaatcttac agtctgattt 480  
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<210> 771

<211> 641

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI105167

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gagagttggg acccagagca gagcgaagct aggctcctca gaaggaggac cccgactgtg 180

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ttttcccttg accactaggg gctccggctg acacgttagc tcttggtcct ccagcacttg 540
tacagagcct cctttaacaa tgctgcccc aaggaagatc tgcccagtga ggcgaggctt 600
cttcgggtta gagatgtcat actgcccatt gtcccctgc a 641

```

<210> 772

<211> 531

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI105184

<400> 772

```

aagatattaa tttatttgaa ttcagatatt tttagatat aaaaactggg tgtatttttt 60
aaaaatgtaa ttcttgtaa cattctgtgg gtagaaattt gattgtccat attaaagtta 120
ctgatgggtt gcaattcagt gatgtgaaaa ataaagactc tttcagaaag tggcatttgg 180
gtccctaact gtaggaagga actgcttagg cagggtggaag agaaagcctt tggcctctgc 240
tgatttgtat accaatggag acaactgttg tataagggtt tttgtttgtg tctgaggcat 300
gaaccagggt catcacacat acgagatgac acccctagcc cttctattac atttcaagct 360
acggacagta atttttttct ttaaaacaaa attttctgtg tatcatcatt ttgccggcat 420
gtgtgtctgc acttcatgtg tacctggtgt cctcagcacc cagaagagga tgctgattct 480
tttgaactg gagttacaga tggctgtgat tcaccatggg gctgagaatc a 531

```

<210> 773

<211> 496

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI105188

<400> 773

```

tgtctccgaa taacaacttt ttaaaatgca cttcttattt atttttgggt tttcaagaca 60
gggttaattt gtgtagccct gggtgtactg gaactcactc tgtaaaccag gctggcctcg 120
aactcagata tgtacctgcc tctgcctccc aagtgtctgg attagaggca tgcaccacac 180
cactgcctct aatttaaaaa tttgtgtttt agttgtcaat gaacaaagaa catatatctg 240
attcaccagg aaaccaggaa ggaaggcctt taaatcaaac tagaaaactg ccattgttgg 300
tgggacgaat gtgtatgacc agagctgtgg cctgcccatt tctgaacagt gttgctgagg 360
tttacgggtt tctccggaac ttcttgaaa aacagggttc ctggctacca tcggaaaggc 420
acttgtgcac attttcaatt ggaagggtga ctgcaagaca gaggacaatt ctgaccatt 480
atcacactaa tgacct 496

```

<210> 774

<211> 603

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI105196

<400> 774

```

cactgatagg aaaataattt tatttaggtt ttttaaaaaa gttaactttc acatataaat 60

```



```

ttaaacttaa agattacagt gtatatatttc caaaaggagc gccctgaag ggtggccaga 120
caagctcgcc gagtgggcac agggacactc gctccaaaag gagctcaggt ggaagcgctt 180
tctttaatct tccacagtgg cccttccctg ttcctcaccg ggcctatgac tggtaagaaa 240
accacaacc atcacttttg ggcaacagca tctcactata tgggaataag aaacatgtct 300
aggaatgaaa gcacaaagct caatgatcca catatcccac aacaatcatt acatctgcag 360
caacgtataa caggagtatt ggatagttca aaaattcttg taaaaagggc caaagaacac 420
aaaatctggt taaaggtaat ttctgtaatt aaatgagaaa aattattttt tccatattac 480
aaatgccttt aactataaag acctagaggg gttaaaaccc ttcaaactct ggctctcctt 540
tctcagtaaa atgtttggca caacccttga gctgctgttg aaatcaacag ctgataggtt 600
tta
603

```

<210> 775

<211> 572

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI105205

<400> 775

```

acagagcctg tatttagtgc aataagttta aaaaatttgc tctgaaatat ttactttaca 60
ttaacaaaaa tagctttttt taataaaatt gtaacaaaaa ggagttatcg cataaacaga 120
tcatgaatta ttcttagcaa attacacttt ttttttctta aagcattcac cattacaata 180
agcagaacaa tggaatatta gccattcata tctggtaagc tttagaaata aaaaaaaaaa 240
aaacccggca aaacaagaaa ccccaaacgt acccccaaac ataaagcaca ttcacacttg 300
aggatcaaca ccaaccggtt cttcagtga aactgtaaa actctggata cgaggaataa 360
ccaaggagtg gagcacctgc cgggtgtgtc agactttaga gcaagcattt gaagaaatgg 420
ccgtttaacc ctaagctcct gacctgcctc tgaaacagag cactggaatg ctcaatgcgt 480
cgtgcttctt gtttcttctt tcttttatcc tttctagaat tacctaggct gaaaattaa 540
accagaaaag gttacacttg gctgggtgcc cc
572

```

<210> 776

<211> 504

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI105243

<400> 776

```

atggtgagaa tatttattga gaatggctca ttacaaacaa aatatattta tgtataaaac 60
cccctgctat gtaaaagatc cttttcatcc tctgtgggt agagtgatca gaaccatcta 120
gagtttccac gtgacctaa ggctacact gggctgcaca ggaaaacgag aagtctgagc 180
gtcacacgct gtggttaagta tctgatggca aggttccct ctgtggaggc cacttcccat 240
gagcactcac gccggtgtgt cacgcctcat cccatccact cgctgtgaag ccttcacctc 300
ttcctgtcgc ttggtctcag ttatacaga cctcctcgg aggaacacca tatccatagc 360
ttctgtgtgg tactcctgag cttaaatcca gagctctgtg gggccctgac caccagcat 420
taaggcaatg ggaatgagac cagactgaaa ccaatactac tctccgaaac ccagagtagc 480
tgctagctg acagcactgc cctt
504

```

<210> 777

<211> 649

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI105417

<400> 777

```
accttatagc ttgcatatattt attgaacaaa tacgactaaa atagctaaaa tacattgggt 60
acttatggaa ggaccacatg ttacaaaagc ctgcggttttc agcagcgtac aactgcaact 120
ctacgtaaat gccacaaatg cacaatacgg tttccttgct ctatttacat agctgatata 180
tctagtcaaa caaaaagatt ccaaagaaat aacctcgaaa cgcttgaaa aaaattattg 240
cttttctttt tctaagtcag gcgggtgagg ctgcagaaag gaagagttct ggtagggtcaa 300
ttacagtttt gtgattgctc ccgctaccgt gactgcacat ccaccagggt ccagtcacga 360
gaggacagcc tctcacactc ttggtagcat ccgctcagcc tacaacactg aagaagaaaag 420
ccacactcaa gacacaagga aaacaagtca gtccagtcta gagaagaaca ttccgggaaa 480
cagagtacca acaccttctt agaacatgga aattaaaaac aactccgtca gagctacctc 540
gccaaggagc atgttgaaag tccaaaattg caccattcat cagtgtctca agccctgtgg 600
cagcgtctca gtcacttacc acaaggaaac aatgagtttc aaactactt 649
```

<210> 778

<211> 588

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI105444

<400> 778

```
catgacacaa acatgcattc agtttttattc acaaaacagc ctggtctcct aaaacaatac 60
aaacagcatg ttcctcagca gggagctggc cacgggcagg gggcccctgg gcaccacccc 120
ctaccagcag gggaccacga aaagaagccc tttcttctgc tgctgtgagc aaggctggaa 180
aaagaggggt cattttttct aggggaagta gccaggatca gaaatactga gatgtggggt 240
ccccaaatct cagcggatca acaaatgaat agaattttca tctctccaaa aatccgtcac 300
tggtggggcg ggggcgtccc agtcaggga cgtggggtgc gacatgggtc ggcctgggtc 360
aggaactccc agtcccagtg ggctctggcc gctctgcaca cgtgaacgga tacagagggg 420
gcttctacac ggtgcgatca acatttcctt tataaacgtg agtggattct ccaggcaaac 480
tatgcactat ttcattggtt gaaagaatca aaggaagtta aaatcagagt ggagttaaaa 540
ctgtgctaaa ttacagtagt gcttattagt aactagattg caaaaggt 588
```

<210> 779

<211> 380

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI111344

<400> 779

```
tttttttttt tttttttaag aattagaaaa gtttaatatata ttttgatgtt ttcacattgc 60
actattttga caaaagtaaa atgtcagaca tgcttcctac ttccgtcggg cagtaagtac 120
tgctgcatgc atttacactg gttagagagc atctaccagg tcatcgctcg tccactcctc 180
ctcttcctgt ttgggtttct ttgatacata gtcatcgtct tcgtagcctt tcctcttctt 240
tgtaaccata ttaagtgcaa ggtcagaaga atgacatcgc tccaacttct gtttcagaat 300
agcaacttct tcagatctgg gtggctcata cttttttact agattttctca tgcttttcat 360
tatatccagt agctgtgaca 380
```

<210> 780

<211> 448

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI111401

<220>

<221> misc\_feature

<222> (1)..(448)

<223> n = a or c or g or t

<400> 780

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tttttttttt tttttttctg tgaaaagaca aaaggaccaa actttatttc tctacgcagc 60
cttggctggc ctggaactca ctatgtagaa caggttggcc ttgagctcac agagatcctc 120
ctgttgctgc ctttagagtg gctacctatt ggcaacaagc gccctcagca gagcactgat 180
gagtcctcag agctcgtcgg acgtgatgtt caccttgggt aggttacatt ctttactagt 240
ttgacagctc tgaagaatgt cctggtagtg gttcttcaga tcctcataca aggcaacagt 300
tttctgcgag tgagctaagg gtaacacctt ttcattcagc agcatttgta tctggaattt 360
ttcttgaggg gtctgtgcgt cttcacaatg gtaaagcaca natattaggt ttgaagcata 420
tggtacgatg tgaccacttc ggaactcc                                     448
```

<210> 781

<211> 413

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI111413

<400> 781

```
tttttttttt tttttttcaa ggacagaatg acaaacttta ttagaaatgt cccttgcttg 60
taggtcacat tcacattaaa gtgtaggctg cgctgctatc tggctttgta tcccactctg 120
tgacgatttc cagttaaaac cgagtctggg tggagggtat ctggaaaaca cgaaagatgt 180
caaatggtgg cgctggtagc agtagcagca gcggcagcag cagcagcagc agcagcattc 240
tgtgagagga taggtctcag gtcttcgaga gactgcagag acactttgca gtcccaaggc 300
cacccacagg ggcccagct gataaataaa cagcgccaca cacacacaca cacacatata 360
cgtgcgctgg aaacgagaga caaactggaa gtctcctgca gtgaaaaaat aat          413
```

<210> 782

<211> 465

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI111558

<400> 782

```
tttttttttt tttttttaac aaaagaaatt tattaccaaa atacaatata taagtcaata 60
catgacaaac tcctgtaaag caaaataaat tactctactt ttggacagtt ctggaaatta 120
agaggtgcca gagagagagc tgctctcttc taaacagggt gcctgctcta ccacagacaa 180
ggcttgacgc ttgatgtgca acaggatatc accaaatacc aatcatccag ttttaaagaa 240
tcagcgtcag aatcaactct tgctttttta catggtgttc cagaagtttc tctacttggg 300
ctacagaagc aaagccatag tgttacacaa tacttatttc tttaaaaaaa aaaaaatata 360
tttatttatg cccatgaatg tcaaactcaa gtttcaatta aatatattta tatacaatta 420
ctttgagcac cttgctgcac aatttaaaaa aaacgcctcg tgccg          465
```

<210> 783

<211> 478

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI111559

<400> 783

```
tttttttttt tttttttgtg acgaacactt ttattttacaa atataattaa aagccctgac 60
agttaatcat gctcttcctc ggaacctgaa aaatgttttc ttttttaagt ttttttttta 120
agtgcacatg aaaggagtga agcctttttc tcttcacatc tttttattgt aagaaaatac 180
acagtttgaa aggatgaata atgcagtatt tatgaccaca gataggggagc gtgggtaggg 240
gaaggagaaa taaacagatg attggacaga gaagacattg aactccagag actgaagcgg 300
gaggtgggcg tgggggcggg gaggaacagg aggaggaagt aaaaaaattt tgatcagaga 360
aacagttaaa atacaatatg aaaataagca attcctctcc ttagattccc tctatacaca 420
aaatacatga tttgccaaag cccaattttg tgctactggg attccctcgt gccgaatt 478
```

<210> 784

<211> 504

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112012

<400> 784

```
tttttttttt tttttttaat agactgtctt tttaatgagt atcttatgta cacacacaca 60
ccatacaaca agcttggttc cattataatt ccatcagggtg ctcagggtatg ttcaatgagc 120
tgagatagag ttgatgaagc atggccttta ggtcaggact agctgggttc aggcacatct 180
tgtgtagaaa tctaaggagc ctggggcatc ctctcccagt taacctagga ccttaagtag 240
cagtgcctc cccctcccc ttccagacaca atgtgcccac cctattaaca gtataaaaac 300
cacaatacag atgtgaagaa atactgtctt cccatccctt cactaaaatg ccaattact 360
acgctcccta aaccatgata tacattttac aataatccgt agaaaacaac agctaccagt 420
catgtacttc tgcacagctc acatacatgc acagaagagt gggttcccag tcagaagtga 480
gagtgaagac ttagagcatc catg 504
```

<210> 785

<211> 505

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112086

<400> 785

```
tttttttttt tttttttgca taacactgac atttttatta gaattcattt gtaacaaatg 60
gaacctgtgt cagcaaagaa ctgattttca tacagacttc tttcgccacc aatgtaacga 120
agtaagaaaa taaaaagcac gcctttcatt ctgtaaaaca cttacgcgta ctactaatta 180
gaggtaatgt tattttttta caagccattt tacaagttat tttttttttg aattttcagt 240
ctatgcatcc aaaacgagag caaagaacac aactgttatc tttgtaaaaa cactccaagc 300
ttgtatggca aagccgtgta acagatggat aggatggatc tgtagccttc tgacctctgc 360
tggagtatca gggcaccat ataccaatg gaaatcaaaa ccaaaagaga aaaaaaatgg 420
gaaggggatt ttaaaatgac aagaaagact gaaacaaagc taacccaaaa ctcagcagga 480
aagaaaaaaa ctgtgtgtgc tacta 505
```

<210> 786

<211> 523

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112107

<400> 786

```
tttttttttt tttttttaac caccagtatt tattgaagag aagtgaagtt atatgttcgc 60
acaacattgt atataaatgt tcataagcat cttattcata atgtcccaaa ctaaaaacag 120
ctgatgcccc caccaatagg atatattcat gtaacagaat actactctct gaagaaaact 180
gactcaagta acaacacaga tgcttttcac agcatgctga gtgaaatcac acccaaataa 240
aaaccatact gactgatttc gtctaataca cagcagacag cagtggctta gtgacgattg 300
atggatggtc cctactcaag ggacctgagg cgacttggat gatggaaatg ttctctatct 360
tagttgtgga gatgagccaa caggtgccac ttccgtccaa ttccttaagt gtggtttccc 420
atgggtggct tcattagaac tcatcactgt gcttgaagag gaaacagggc cactaagcct 480
gcctcgctcc tctgcacctg cacctgcacc cgcagggctc aca 523
```

<210> 787

<211> 348

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112161

<400> 787

```
tttttttttt tttttgtaga gaaacatctt tatttgggta atatgtccca aaacagggtca 60
gttagtaaaa tagattctac agagtacagc cctatgcaca gccctccctc cccaaaaata 120
atcctggggg tggggggaat ctgtctcccc accccgggct cctcagatat aaagttttgg 180
caggttattg ttattatcta ggtttggccc accatgtcca ctttctgtag tggctgggat 240
cagtacctac ttttctcatt ccagaccagt tcagcaaaca tttctgcccc accccaaatt 300
gtggggccta aataaagagc aaataggtct cctccactcc tcgtgccg 348
```

<210> 788

<211> 326

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112194

<400> 788

```
tttttttttt tttttttcca aaacaccatt ttaataagga aacaacagaa ataaaagatt 60
gttctctggc tggagcccag accccatata atacatcata tgtacaaagt gaccttcggt 120
ccagactgag attcctcctg gggatttttt acttctgttc tgtgccacat tcctgggtcc 180
ttggacatct gctcgtctcc agaattgtacc tgccataaca tagtggcagg aagggggaac 240
atcataagtg gcttatacga gggataggtg ggaaaaggga catttgtaac agccagataa 300
tttcaaggaa gggctttccc tcctca 326
```

<210> 789

<211> 475

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112365

<400> 789

```
tttttttttt tttttttatt aaagaccatc atttattggt tataaaaatt gccccaatat 60
acagaaaatt cctaattccg gtaactaaaa actcccaccc gccttgtgtc cacaatatcc 120
aatctagatt ggcttgatct tgaagtgtaa tccaataagg ctgaagacta aacacttcag 180
```

```

gtcctggaca agataataaa acactcgcaa gccttctgga tccttggact ggttgacatc 240
aataagggaa ccaatttttg atgttgtaaa agaaatgtgc tcatctccaa tgacaatttc 300
gagttcctgc cggcccactc gatcaggagg gggccacaga gcgtcatctt ctttggtgat 360
ctcactgtcg tcaataatcc tctttaattc ttccatcaca ctcttatgta cataagcctc 420
tttctgacat atgacatcat ttttgtaatt gctgttggtg gcataatcgca attta 475

```

<210> 790

<211> 460

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112511

<220>

<221> misc\_feature

<222> (1)..(460)

<223> n = a or c or g or t

<400> 790

```

tttttttttt ttttttttagg aaaagttggt tccatttaat gctagacttt caaggattga 60
gatgcaagcc tttatgcaat tacatccaat gttaaaattg gtaatacata atttaciaag 120
attaacatca aaacaatcat ctatttagat atgcttttct gtaaaaagga aatatattag 180
cagcatttat attttccgca atcacacagc ctacagacat gcagactaac tctgtatcta 240
tttgacgtga tgtagtgtt tgccccgcat ttcgaacacc aaaacccacc tggcagctgg 300
gggttggttt tattttgtta ttataaaata actgaaaaat aaaaaaggca ttaatttcta 360
caccagttag aaaaacaagt ttttgacatt acctaacatt tgattgtcta aaaaacattt 420
cagtttttaa tctttcaaca naagaagat aaaaatgaca 460

```

<210> 791

<211> 476

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112571

<400> 791

```

tttttttttt tttttttatt cttttgactt taataactca tcttatatat atttatatat 60
ttatatttct tcttatcttc atttcctcag caaaagggga aataaaaata ttgatctata 120
aaataagcag atgataacac gatgccaaaa atagcttatg ttaagtgcac ggggtgaagc 180
ttgaatgcaa gctaaattgc aacaatgtat tgattcgaca tttaaataca ggacttgcaa 240
taaaataatc attgagatat atgcttctac ctcttaccga catttttagaa actaccctct 300
acacgtagat ccagttgtaa cacttgacag tagcattatg gagcatggta taacttttgt 360
acacactgca gatatggata gtgatttccg taaatgacag tccttcacca gatgaagctc 420
tacacagacc agccacctga tcccacattg ttcccaaca ctgtttgctc ccgagt 476

```

<210> 792

<211> 372

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI112926

<220>

<221> misc\_feature

<222> (1)..(372)

<223> n = a or c or g or t

<400> 792

```
ttttggttct tttttttccg gagctgggga ccaagcccag ggccttgccg ttcctaggca 60
agcgctctac cactgagcta aatccccaac cctgagggtc acagttttaa ttccactgtc 120
ttcatctgct taagattcct ctgtgagagc aaaaaagagt gaagagccaa agaatttgac 180
ggctagaagt taggaattct ggtggctggg tcatagatca caaagtgctg ggagaaagac 240
actatttcct atcagcaaac tgtgaggtgt tgactcgaca cagacatatg aactcacttc 300
aaatgctttc gtctgtgtgg accattatac caatgtggta tgacanacac acacacacct 360
aatangagct aa 372
```

<210> 793

<211> 539

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI112964

<400> 793

```
tttttttttt tttttttccg gaggaaaata gattataatg gagagatgca ttaacttttt 60
cagtggagta gactcatttt acaatgtttt cgagcacttg atagtctttg gagaatagga 120
tcaaccattg acctaggtag gtactgagta ttttttttagg taaatcagcc ataatcctat 180
caaatgaaaa actcctcctt cctacctatc tttttatttc ctttgtgcat ttactaaaat 240
tgctccatgt ctagacacta aaacaattca cctccacagc aaagcttaca aaatttccag 300
ttgtaagatt ttaaagaatg tcccttttcta tcgctcttca gtcacatcat cctgatcagc 360
tggctttcag agtctacgta gatttgtcct acagggttca ttcattttaa agtgcaaggc 420
tgcttttagta tccttaatta gtagactgac tttttctgac ttgatttccg atccagttgg 480
aaagaactaa gcataggact gcatacttga gctctccccg aggagagaat ttctgactg 539
```

<210> 794

<211> 493

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI112969

<400> 794

```
tttttttttt ttttgttaca aaaccttgta ttaatcattt cccttccactc tcaatataac 60
catatgaaat atagccatga ttcttaattc tgtgggagga aatgagtaat aaatacactg 120
tagcaagttt agaccacgag ggcgttggtc ctggtaacaa catttgaaaa ctgtacactt 180
gcgaagaaca gcatgttcaa acattagtgt gtctgcatca gtagagcttt tacatgtaac 240
aaacatgctc tttccatgta tgacaaattt aaaaaatatg cattgcttgg caacatgaac 300
taggcaaaaa tatttctttg ttcactgact ttatacaggg aaacaggaca aaagtcatgc 360
atgtacaata cagatgcctg cacagggcat gcaacaaaag gacgcctttt gaaagtccgc 420
ttgcgttagg cataaatatg tgagggttat atattaataa gggaggaagt cttctgttcg 480
ccatgactaa cat 493
```

<210> 795

<211> 461

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI113008

```

<400> 795
ttttttttttt ttttttctcat ttcaacattc tttattaata aaatgtattt caatgtcaaa 60
aggtatcact gtttttcttca tttcattttca ttcttctttg ccagtcaggt taaggacagt 120
tgtaccagac tctggagagg gtctgccctg agcgcgtggg gattgctctt gctgttctag 180
taggcacatc gatgttatag tattgatctt tggaaaaggc gtagtaatca tagccgtcag 240
gttttctaat gttgggcagt gttatcgcgg aagtaacgac atttgggaac cctctccaca 300
gtgtgctcac cttgtcttca ttgtggagga agcctttgtc ttgataagag gctttgatgg 360
gcaccgagta atggatcctg aaggtgtgtg tctggaaagg tccaacagca cgctcaaagc 420
ggcgctcctt gacctgtgct gcctgcccc a tacactgagt a 461

```

<210> 796

<211> 492

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI113046

<220>

<221> misc\_feature

<222> (1) .. (492)

<223> n = a or c or g or t

```

<400> 796
ttttttttttt ttttttttggg caagtcagtc tttattggct cataagcatt cactcttttg 60
ctcttccttg aggtatctct ataactgaac atgctttact ctctctgagc tgtgatccaa 120
tactttttga cccatcccc atccataaat cccactgaaa ccaatacctt ttgggtattct 180
aaaattcctt ccattcctga ttttcatcag tttttattga gtactagatg tgggaagcatg 240
aaaatgtaaa aaaatgatga ctgaattaat gaggggaatgg tgatgggtag atatgaaaaa 300
aatggtttat tgatcaaatc tctggaaata caaatacact gtttttcttg ggaagtcctg 360
aggtcagggc tctggcgaaa cacttcttat tcaactgcgtc ctcaggcatt tccataatct 420
gtgctgcang gagcgctgta ttttgcaact gcaaactcat ctttctcata gtaatcgtag 480
actttcacta cg 492

```

<210> 797

<211> 346

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI113055

```

<400> 797
ttttttttttt tttttttccc taataacaaa ggggtttattt acacattgct tcaggcataa 60
aaaaaaataa ttacattac aaaggtacc tttaggaagga aatactgacc aaaaatttgg 120
taccatcatga ttattcaaac aggaaacaac ctgcaatttc cctggaaaaa ttcccggtgg 180
ggttttttaac tacttcatta caattatgaa aaataaacag gccacctgtt taaaaaaata 240
tccattccca attttcaaaa aaaaaaaaaa aggtcaacct tgtaccttca aaactaggta 300
tcaaaacttt aggccagggt atggaggagc aatcccttac ttctac 346

```

<210> 798

<211> 424

<212> DNA

<213> *Rattus norvegicus*

<220>



<223> Genbank Accession No. AI136478

<400> 798

```
cggccgcgct gagtccccga cctccgggag cgcgctgggc cgtggcggcc cgctccgcgg 60
ccccctagcc gacatgtcgg cggccaagga gaaccctgtc agaaaatttc aggccaacat 120
cttcaacaag agcaagtgtc agaactgctt caagccccgc gagtcgcac tgctcaacga 180
cgaggacctg acgcaggcaa aacccattta tgggtggctgg ctgctcctgg ctccagatgg 240
caccgacttt gacaaccag tacaccggtc acggaaatgg cagcgacgat tcttcaccc 300
ttatgagcat ggctcttgc gatatgccct ggatgagatg gccagacctg tgccctcagg 360
atccagcaga gacttggggg gaagagaagt gtcaacatac acaactgcac tcagcctcgt 420
gccg 424
```

<210> 799

<211> 380

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI136514

<400> 799

```
tttttttttt tttttttcaa aaaaatttac aactttattt ctacagctct ggcaaacactg 60
tgacaaatgg ttagaactgt ttcaccaggc catagacata gatgtggaaa tcatcttcaa 120
acttgatgaa gtacacagtg ggcttggctt caacctggtg tatgaccatg ccaactctct 180
tggagccatc atctttggtg tattccacgt gtttacctat cagtccatcc accagctcca 240
ggtcaatgtc taaaggaggg ggctcactgg accctgccat gatacggagg tcacctctct 300
tataatcatc ctgtgcttta catgtaccag cttctggatc tttctcataa gtaatatataa 360
agctggcctc gtgccgaatt 380
```

<210> 800

<211> 352

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI136630

<400> 800

```
tttttttttt tttttttgag aattctgcct tctctttatt tgtttactaa tcaaagtttt 60
atgaagccca ggctctccag agccaccatg tggactggaa ttcagggttc aagatcataa 120
atgcagactg ccttagacac tcagaacgct caaagtcagg agacgtaaga aatgaaaagg 180
agactggtcc ttattgtaca agaggctgaa ggtatgggtt gtcccccgcc ggctggaact 240
tgtagccggt gagcacgaag aaggccaggg tggaaactctc caccaagagc tggtagagcc 300
actgccactg gaagggcact gccactcgaa gcagaatggc gatgatgcgc gt 352
```

<210> 801

<211> 282

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI136702

<400> 801

```
tttttttttt tttttttctt taatgtaaag tgtcattatt taaaaaaaaa atacaaaata 60
aactacaagt ctgtctttgt ttacggccct ttgttttcct ttaccaaagt ggggtttccc 120
tttcctcctc atcagctttg gccaaaccag aggacttgta aggaaagcag agcctgcaca 180
```

gtgagagaac actgccttcc cacatcaaac cccatgacag acatacagtg actcagtcac 240  
 ttgagcctgg cctgaagttg ctaaaggctt tgtgaggata ac 282

<210> 802  
 <211> 435  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI136714

<400> 802  
 tttttttttt tttttttggg gacaccatat tgggaagcaa ctgcttttat ttgacagtgg 60  
 atgaggagga gatgggtgtc agaagagatg gggagcattt tctgtcctac gactaaatga 120  
 catgaattta ctgtacaatg acagtgtaca tggctagggg aagtaacgtc accgacttca 180  
 cagtcagctg taaagagtgg catttcactg gatgcctcga gagacagttc tgttggagta 240  
 tttgagttaa aagactttga aaggaaagag aatttggctg aaaagtatcc ttttcttttag 300  
 ttaaactcga acaagtctcc agtcagcacc cagtcaaaca cagtgccttg aactttgggt 360  
 aatttgtcgg acagtatact ccacgccact gtggaactct ggagaacgga aagggttgg 420  
 cacagcctcg tgccg 435

<210> 803  
 <211> 475  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI137049

<400> 803  
 tttttttttt tttttttgaa ggggaatttgc tttattttaat aaactgaagc cttaaagcat 60  
 tggtaatttc tatgtactac attcacgtat cccagttggg ctgaagtaga aatgtgtttc 120  
 tctagctttc tttataaggt tcaattatct tctttttaca ttaggattat atctaaacag 180  
 atcatcagca agagagtctt ctttcgcttg ttgtttctgt acctccattt catgtttcaa 240  
 ccactcttct aattcagtat tctttcgagc atgggtgacct attaaatctg atcctccaat 300  
 aatgtgtgga agcttttctg ctccaggaca cgtagccttc ttgaatttct tgaaattctt 360  
 cagttcacca cgaccattta gtgggcacag atttctggaa gagttattat ggacaaccag 420  
 tgacctaaat tcagtcagca gcagttttct tggaagcctc gtgccgaatt cttgg 475

<210> 804  
 <211> 446  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI137211

<220>  
 <221> misc\_feature  
 <222> (1)..(446)  
 <223> n = a or c or g or t

<400> 804  
 tttttttttt tttttttact gataaaatag aatctttatt aatgaatagt gtttagtcat 60  
 agtttcaaca actattctct ttcaaccggg aaatgacggc aacttctgtc ccaacacccc 120  
 aagaacgtcg tcggcttttc cttcctaagt ctcatacatg agtgggatga agatatagga 180  
 actgtgcctt ggggaggggt cactgtgtga gggctggtgc anaagttgct gggagggggac 240

```

tcctggcatt ctgtccaccc agagaaagac agatttgctc acgctcactg caggcgatgc 300
tggccctgcc gagcaactag cacacataga cataaggtct aagctggcca aggccagtga 360
gagaatggat actggttcag gagggcagct gaacagcaag agccacagag agagagatta 420
ttcctgaggt angaactctg tatgca 446

```

<210> 805

<211> 399

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI137345

<400> 805

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tttttttttt tttttgtcaa aatattttat tgacgggtctc acagtcttag aaaagtgggt 60
ggtagcacac acctttaatc ccagcagtcg agacacaggc aggtagggct agctcaggat 120
ttgaggccag cctgggtctac cagagtaaga cctctctcca agaggacgac agaagctcgt 180
gggctggacc ttgctgttgg gaagcccagg tccccgtagg ctcagtgtcg tcctagtggg 240
cagggcagag taggcattct atggttgggc ttaggggttca ggtgttaagt gtctgtctgt 300
ctgtctgggt aaagggctct gattcttgtt ctacaccagg gtcttcatgt tctttgtacc 360
tgaaacccca cttccactga tatgggagtc agcttctca 399

```

<210> 806

<211> 392

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI137356

<400> 806

```

tttttttttt tttttttccc ttttaagattt attttatgta tgtgaataca ctctccctct 60
cttcagacac acagaagacc ccattacaga tgggtgtgag tcaccagggtg gttgctggaa 120
accaaaccce aatctttcac agaacagcaa atactcttaa tctctgagcc tcttcatgtt 180
tcttaaatga acaataaccc ttttgtctac tggcccagag aggctggggc cactgatcta 240
acgtggaccc accatattgt gctgcacgag gtacgcaatg gtctcccgga tgccagaact 300
gatgaggttg gacgtatagc ccaagaaaat ggtgcagcct gtgagtgggc ggcggctctg 360
agtcagggtct tcgtgatgat cttcatctac tg 392

```

<210> 807

<211> 540

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI137406

<220>

<221> misc\_feature

<222> (1)..(540)

<223> n = a or c or g or t

<400> 807

```

tttttttttt tttttttaaa taagaaattt taatatttaa ttattaatta actgcttcca 60
atattaatta atcttacaac tgtgacattt ctatgggtct ttcttcccta tcataccagt 120
gtcccttccc aagttggaca cacctggata cattaaatgt tttatttttg tgacagacaa 180
ttccttttat tttagttaga tgttttgaat gcctacagta aatctgcccc ttccgggagg 240

```

```

tcgcagacct cctggcctcc cccaagtct atgatctcat tttcacagat aaacacccac 300
ttctcagacc agctacccaa agcatgcatg ttctcgagtc ctttgcaaac cggttatttt 360
gtctacataa cctcctcata tcccttcctc acattcttcg taggcagatg ctggagctgt 420
tgctctaacc tcctgagata tgggtggccc ctgggggagt ctgtttggct tcatttgacc 480
ttcncatacc agctcncacc agtccagccc tttctctgag gaacctggag aaaaattagc 540

```

<210> 808

<211> 519

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI137420

<220>

<221> misc\_feature

<222> (1)..(519)

<223> n = a or c or g or t

<400> 808

```

tttttttttt tctttttcat taaaaattc tttatagcca tttcatgtca attgaaatca 60
cagaactagg cagaaaagcc caggccacaa atacaaacag cgcagcactt ccctgggagg 120
ctggggacag acatggcacc atggccacag tggctggagc tcagctgtcc tcatcatcat 180
catcggcaga ctcagaggcc aactgcatcc tctcatggtc ctgatgtca tccccaggcc 240
tggcggggtc agagctgtcc tgtgggctgt catgcagctc ttctgaggag ccacccctgg 300
ggccatcctc caagtctgc ncgtcttct gtgtccatc ttctgtgttc tctcccttct 360
gggatgcggc ttcaccattc acagggtctg accgatcagt gctgggctca tctcccgcca 420
gctctctggg agcctgtcc caggctgttc ctccacttct cgcacgggcc cgttcttctc 480
ggctttgatc tccgcctcgg ggtttggggg gtggcttct 519

```

<210> 809

<211> 416

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI137468

<220>

<221> misc\_feature

<222> (1)..(416)

<223> n = a or c or g or t

<400> 809

```

tttttttttt tttttttgaa gctacaaaga cgctgagcgg ctcagccagc cgggagctgt 60
tttattaact gcttttgtga ccctgaaaca tatgaggcaa agctagataa acacatggta 120
gcctgggggc cagcacagga acagtgaag gtggaagagt tggggcaaat ggagaggagc 180
ctgagggaga gtcaggggaat ancattcctg gctgagggaa tggggaatgg cagatgctgg 240
gaatctgcat tctgacatgg gaccaaattg cttcagtggc aagcggggta cccttgcccc 300
gcacccagc tgccatcctc acaaggtcnc cagctctgcc acgtccagca gtcgctgtcn 360
cctcacggcc tcgggccccg cacagagtgt gtcgttctgc gagaacatct tatgtc 416

```

<210> 810

<211> 432

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI137488

<400> 810

```
tttttttttt ttttttttgag atgctcgaag tttattgcaa agaggaaggc ggggttggtg 60
tagggagggtc aaggagaaaa ggaagaggag gaaggaaggg aggaacatcg agaggagagg 120
agggtaaaaat aaccgggaga ctttcttgct gttgagaagg tcctgtctcc ttttcagggt 180
gatgaagccc accagacatc acaaacaact gcaacagggt caccggcagg cagcacaggc 240
aatgcctcat attcagatct tcacagttgg gcatagtatc ttgtacactc tggtgaaatg 300
gttctcacag caggagcatc acagccagac tggacattct ctcaaagggg tacgagttgc 360
agttctgaag gccctgggct ttggttggtc acaaagtcca gtcctgttta ctgtgatcct 420
tgcctcgtgc cg 432
```

<210> 811

<211> 490

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI137506

<220>

<221> misc\_feature

<222> (1)..(490)

<223> n = a or c or g or t

<400> 811

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tttttttttt ttttttttgca cagccaaatt cagatttatt agaaccgcag cacaggggtc 60
ctgccgtgca ggttgggctg gccttcctgt ggccccacc accacaatta cccagcagct 120
gggttgacta ctttccctag gaagagcagg ctctgggtgg tcacctcca nagcagaagc 180
aggaagggcc tgtaaagtg ggcgtgtggg gctgacgtca tgttcaggga tgggggctgg 240
gagagcaggc canaggcagc tgcggcctca gttcccttct cgttcatgtc cacgacggcc 300
ttgtgcgata ccctggagac agttttgttg agctgcccc taattcctga taggtcggct 360
tccacgtcaa agaggctgct gaggccaacg aggggcagga tctcttcag gttgtagggt 420
gcagaaactg aaaaccgtgg caggtgcaaa tccaacagac tccacgtntg agtcatctgc 480
aggtgcttca 490
```

<210> 812

<211> 522

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI137572

<220>

<221> misc\_feature

<222> (1)..(522)

<223> n = a or c or g or t

<400> 812

```
ggtttttttt ttttttttgaa agcacacctc acattttatt cttttataca agaattcctga 60
ggaagactga caagaatagg ggctagggat tctccagaag tctcaggctc atcagctggg 120
gtgagttact gtaacctccc ttacaatcct ggttcttcac aacaagtcgg gcagtgggtt 180
tccaaaccgg accgcgaagc ttctcatggt tcatcagggt gttccattaa acatgcacgg 240
caaaaaggcc gttttctcgg cattaaaaac agcaaaaggc agggagtggt gaggtgtatg 300
```

```

tgttcttana agtcaagaga ggtgtcacgc cccgagggga ggagaacgtg agtctgtgct 360
ctcttttact ttgggttggt gaatcccagc atacattggt cagccagccg gtgccaccgg 420
atgcccggaa cctccttggt gagggagtgt ctgacctctc accatgcacg gagaaaattc 480
cgttgtctct taagacatct cagcttccat ttggatgagt tt 522

```

```

<210> 813
<211> 415
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI137586

```

```

<220>
<221> misc_feature
<222> (1)..(415)
<223> n = a or c or g or t

```

```

<400> 813
tttttttttt ttttttttaa agggtaaagc tttatttgga gttagtcttc tggcaggtgg 60
tattaaggcc cttcaggcag agttcaggag ctctgtatg gctgcctgct gctccggact 120
gagttgagct atgcattcag tccacaatcc tccagaagtc tgtacttggc gaactacatt 180
ggccaggcgt ttggcacagg ggtcttcctg tttgatggcc tcatgcattt ctctctctgc 240
aattatactg aatatttttc gtagattggt attatttggg ccaagaacaa ttggatgatt 300
actttcaatc aggtcacaca ggtaactgaa ggtctggaca gcttcttctt tatcttcatg 360
tanggggagc caccagagcc agtgtggtaa gacctctctc acattcacgc agtca 415

```

```

<210> 814
<211> 607
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI137761

```

```

<400> 814
tttttttttt ttttttttgg aattctcaaa ttttatttcc aactactgta gtaacaaaat 60
accagtgata attctgcagg aagagtagca acctttttaa taaacaaggc cgtaagttag 120
tattgcaaca gtacttttgg ctatggagtt tgataggatt attgcatgca gtcttatagt 180
attgtagact gtgtgtcctc tatgtctagt aataaaaata ttctctgac ctcatgact 240
caccacacac acatatttct accctatggt gagcactgcc cttttagggt gtactaaatg 300
agagaaaaag tttttgctcc tgggttttcc aagagtatac agagatagca gtcacttcca 360
cagtgaggta caatatttaa ctttgagttg aaaaataaaa cagtatccta tttatgccct 420
ttctctagga gtaaaaagac acacacaatt acaaacataa aatgaatcaa agttctatct 480
tattgacagg agtccaaatg agtataaacc tgctctcttt gtatgctggt tactgccttt 540
aaaaggctgc tgacagagtc aggtagatta aaagctacga atgtattcag cttttatagt 600
gaacctt 607

```

```

<210> 815
<211> 384
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI137856

```

```

<220>

```

<221> misc\_feature

<222> (1)..(384)

<223> n = a or c or g or t

<400> 815

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eggccgccat tctcgccctgc tggttccttg gcccgaagcc agctagtggc cacccecttg 60
ttcactcggc cagacttcgc ttcgtactcc acggccacgg cacagatgtg caccggagttg 120
gggtggacct tggaggatga ggcaatggag tantatcggg cctgcaggcg tggcagcagc 180
tcacacaggt ggtcgatggg tggccgcagt gatgggtant cttggaggat ggctaggatg 240
tgccctccggg cttccaccac ccagctcagg tacagctcct tgccctcgcc tgaggatgac 300
gccatcttgt gcaggtgctc ctgctccgag ggctctgagg cgtactgtgc cagttcgtag 360
agcacattgg tgcgtggcgg gtta 384
```

<210> 816

<211> 425

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI137988

<400> 816

```
tttttttttt tttttgtctt tgaagggaaa cttgtatcat cactctggct agattgcaaa 60
tataaccatg ttgaatgtgg ggggaagctg ctgcattccc aaactctgta cccctcaagc 120
aaatctctaa ggggcccacaa cacaaatgct gaggccttaa tggaatttac acattgcttt 180
gtccctagtt cataaagggtg aactgaacac agcacctgta agtgacagca gttgtaacca 240
gaagaagaat ctggactcgg actttttattt ttatatggaa agaataataa ggtggggccaa 300
atgagcctac tcacaaagaa agaagttacc ttggccttat ccctcacaga cagctaaggg 360
aagcaatgtc tcttggctca caaagtctga taataaaaga tattaatatg tggtgccctg 420
tgccg 425
```

<210> 817

<211> 401

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI138034

<400> 817

```
tttttttttt tttttttgat tgtattcaaa tttttattct ctcaacaaaa aaacttaaga 60
caatgatgtt aaataataaa acatgatata ttctagacac ttaattgttt tctttttaaa 120
aagacagttt attataaatt tggactccta cagttctggg gtggcgccctc gacatttaca 180
gtatttctta ccattttatc ttcactccaa acttgctaaa caaagagttc ctctccgcac 240
cctcgaggct tcgctttaag gaaatacttc acgaccacac gaaaccacac cacacagaac 300
atttggtttt ttttttttaa aaatatattc agaagtctgt ccagccattt ggattttgtt 360
tctttgccc a tactgagatc aacaaaaaag ccctcgtgcc g 401
```

<210> 818

<211> 511

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI144585

<400> 818

```

tttttttttt tttttttcaa ttgtcctggt gattttattgg cctagagaat tgaaaacaca 60
caaactctgga gataaatatt ggtcagattc tctaaatctg ggtcctcact acgtatagag 120
ctagagtctg taaaattcta aatcttgctg gctgtggcac agaaccagta gcttccact 180
ttttcccttc tccccagggtc acatggggaa agaggggcaca aactgacaag acttgatcac 240
ctccaaatga caaaattgca aaatcccaaa ctcccagcac ctgaaactca ggatattggag 300
accttccagc tcagatatat atttttaagt ttctgctttg ccacaactgt ttgtcaccaa 360
attctggaag ctattgtctt tacccttatt aaaaacaaaa acaaaaccca tttataatct 420
caattcttcc aaatgggtcag aattttgatc tattctgaaa ttcaaattcc ccagttcatt 480
tttacccttc ctctcaagac ttctcagag g
511

```

<210> 819

<211> 576

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI144586

<220>

<221> misc\_feature

<222> (1)..(576)

<223> n = a or c or g or t

<400> 819

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tttttttttt tttttttggg gccagtcata tctttattag tgtctgcagc tgagccagtg 60
gtgccctcac atatgctagg aatttttagtg ggcactctgg cctctgagcc agagatttta 120
gcttttctat tggcaattgg gacagactga tggaatagtt tggaatggga tcaaattggaa 180
agattgcttg ccacctacag acaggcacat gagagattcc ccaagctggt gccaaagggtg 240
gtcaggccct anagcaaaat aattccattt cctccagag tgaaggaaga gaaaaagctt 300
cagatgttaa cagtcaaagt cagagctgag ctctgggat cagaaaggca tttcctaattg 360
gaagcaactt tgtaaggcca gaggtcccaa agagctcacc tgttccacag ctaggaaacc 420
ttanggttag ctgaactatc ataaggaagc taccaagtgg ggaaaagggtg ccaaattgccg 480
tgttctggat aagggtgtat gttctgccag tactaactag acaagcaaag tattcattat 540
agttgaaatc cagaaacttc ataaaaagcc ccatca
576

```

<210> 820

<211> 374

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI144612

<220>

<221> misc\_feature

<222> (1)..(374)

<223> n = a or c or g or t

<400> 820

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tttttttttt tttttttacg ttaaattaaa gaccttattc aaaattgaca aggtagattt 60
tcatcttcca aggacacagt ataattctta acagtgaaaa taagcgaaat ttctgggtaa 120
acataaatcc aaattttatg tcaaattttc atggttctag ggacgatgtg cagagcctct 180
ttacagctct ttcctttttc atctaaaagc aagagtaata acaccataat aacatttctt 240
ctttacagga tgagcaacat ggctccccc ggcagtcatt cgttagcttt ccattattaa 300
cccgagaatg ggtgtgtcnc taactatgaa gacagctcac aatttcttta agatggagta 360
gagacatttt actt
374

```



<210> 821  
<211> 510  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI144741

<400> 821  
tttttttttt ttttttttaa aggattttaa aattatttat ttttttatta caataaatat 60  
ttatcaataa agaattaaac cattgaaaac taaaacctac tgccttaaag ttgggggtcca 120  
tagcagcaga cacaaacata aaatccagtt gaaagggtcaa ggggtcaagggt ttctagactc 180  
cgggtgacaac agtcagggtcc tgattatatg gactaatgac ggggaacgggt aacacagaga 240  
atgcagaacc cacactcaaa cgacccagag tatgtacta tacatccaac cacaagactt 300  
ggaacattcc ggtgaagtga agcagggtca gagctctgct tcagcaagat caagtatctc 360  
ccagatggcg tccgcaagca caccgctccc aaagctcctc ccagccgaaa gagggcctgg 420  
gagaccaga aacctcaacc ccaaagataa tagccagcat tctcgaaacc agtctttctg 480  
gctccaaagt tcctggtgaa agggacgtgg 510

<210> 822  
<211> 588  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI144797

<220>  
<221> misc\_feature  
<222> (1)..(588)  
<223> n = a or c or g or t

<400> 822  
tttttttttt ttttttttang accataaata tttttattaa atgtgaaaat acacgggcat 60  
aaaaatactg cccatattca ttgacatgtg taagccccag ttgaaataat tttagttcct 120  
tttgtattaa aacactaaat tgagatggat taagtcagggt ttgtaccatt taaaacaaat 180  
ataaaggtaa gagtaataat ttatcaaacy tctctaattgt ttacctcccc tgtgccaca 240  
tctctttgca caggatctc aaccacagac agtgcaatga aacctgtcgt tactgtacac 300  
agagccacgc agtggctaatt tttactctta aatcattcag caaatgagat catctattaa 360  
aaaaaaaaat acctcgcccc cttttaacat catttgaaat tacagaataa atgctgccac 420  
tactagaaaa ggaatgatac gacctggaag aagatcagat tagaggttac catttcctct 480  
cctccctcca tctactacggc aaggtcaagt acattcacga aagccgtcct cactcccggt 540  
accagacgc atctgtaaga cagggcgcca cagagggcc tgcacagc 588

<210> 823  
<211> 488  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI144832

<220>  
<221> misc\_feature  
<222> (1)..(488)  
<223> n = a or c or g or t

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<400> 823
tttttttttt ttttttttagt taggaaaatt cctttactat ttgtgtccac atgattggtg 60
aaaaagcgaa cagtagtaac gtctactttg gtaaaaacag tccccgatct tgggggggcta 120
catcctctgg acgggcttta ttcccagtat atcgaagcct ttggccatga cagcagctac 180
ggcttcacac aggagcatcc gccacatggt caccttcagc actttcccag tctgccgatc 240
tttctccaca cagtagcagc tgctatagaa ctctgtgaaa gtgggttgcta gctcataaat 300
gtaatcacac agagtgtgga gaaacaggtc atctaagatc ttctgtagga tttcggggaa 360
ccgtaaaatg caccgtccca gtttccactc cttctcgtgg tccaaaatga tcttggtttc 420
ncgagctgct ctctgcagca tttcctcctc gatattggcc aggcgtgcaa tggacctgat 480
tctggtga 488

```

```

<210> 824
<211> 512
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI144936

```

```

<220>
<221> misc_feature
<222> (1)..(512)
<223> n = a or c or g or t

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```

<400> 824
tttttttttt ttttattgta tcataccaaa gtttattgat tacatcaaag aaaaatttct 60
gtaatgaaaa aggcaagttg cattcataaa agatggcatt catgttcatt ttagaaagca 120
acaaagtaga tgtaaaaaac tgcttaagtg aaaaatgtaa tatcgagtt ccattttata 180
agctgaaaaa tgattttatc aacatttgca taaaatctgc actttatata ctgcatgtta 240
ttaaaaaatt ccaccactaa attatgactt ttgcaaattt aggcttacat ttatactggt 300
gctggtgtat atgtagtaga tatggaatgg atattttttt gtttaatagg caacatcctt 360
aaacaataga caacaatttg gaaaattaca gacattttga cagctcaaaa attattattc 420
acatcatagc aatacggtcc tactgttaga tttcttgcca tcttctgaca taagagtagt 480
taanatatag tgctaggaat gctggatggc tc 512

```

```

<210> 825
<211> 563
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI145081

```

```

<220>
<221> misc_feature
<222> (1)..(563)
<223> n = a or c or g or t

```

```

<400> 825
tttttttttt tttttttact tttctatcat ttatttagga acatgtttta catattagga 60
aaaaacagaa ggcaacttga tctaataatt tttcaagcat atttttgttc taataatagg 120
gggaaaactc tctataaaga aagttaagtc cagggtgctat aaaaatcctt agcccttcac 180
atcacaataa aggatgtatc tcggccaatt tgttacctcc acgcacataa ttagacatac 240
agcatgcatg gtactcttag ctctatcccc agccctgcag cacaacanag gaaaagcccc 300
cagattaaaa aaaaaaaaaa aaaaaaatcc aaaactgggc ttaggctctt tgcatttaaa 360
caggtaagat gcaagctgct taaaaactat ggcattattga aaatataacc tctcctgtat 420
atgctgatat aattttaaatt ttaaagggtga aaacatacat ttactaacia aacacatccc 480

```

tatagaaaat gtttatatag tggaatactg cctttcagac tccatttgca tcagtaacaa 540  
tagtgactga ctctagtcca agg 563

<210> 826  
<211> 443  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI145095

<400> 826  
tttttttttt tttttttatt tgcagctgaa tgtttattgc agcactccca agtgatcact 60  
gttgatgaa taaggaaaca attcataacc aataaaaatg ttgaactgcc ttttttacag 120  
taattgtaca ctcatgtgc ttagtctgta aagttgtatc ctgagctcac ccataacctt 180  
cccagaatag aacactctgt catacattaa catagagcct tcaaaaggta tacacaaggc 240  
tcaactctgc aggccatacc agatgctgtc ccattccacta gacagttaa gagggacaca 300  
gcaagggcca tgcagacccc atctcaaaca tcccagtact aatactctgt atttgcttct 360  
tgtgtctgct ttttctgaac atcaccacat ccagttttcc ttcgcaagaa gtctcctctc 420  
actggccatg catttctgct cca 443

<210> 827  
<211> 556  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI145385

<400> 827  
tttttttttt tttttttaac ttttcaaaaa gaacacaaaa ctttattaag atcttacact 60  
gtcatcagat acagccaaag aaaagggttt ataaaagacg gagaatcccc ttctcatgtg 120  
ctcctgccat ctgagactcg atggcaacga atgctgtgta taaacaactc cattgagtaa 180  
cccagtgttc ctttctgtga cagagaagaa ctgaattcac actgttaaaa gccttttctg 240  
gcacaactga gaagcagggc tcatctttag gagtaactcc taacagctag taaagcaatg 300  
tgggacttta cgttacttca catcctgtcc atttcagagt ggggaattcag gaaggccctc 360  
ctaccttccc agtactgtc ctctccagac ttctcagacc gtacgtgagc cacacaccat 420  
gaagctactc atgacagtgg cagcagacaa cattctctga actgacaatc atgatggctg 480  
gatcatccta gactttgttg atgctaaagg atttcttaga gaaaaccctg attcagaatg 540  
ctgtgagcag ctgtca 556

<210> 828  
<211> 567  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI145556

<220>  
<221> misc\_feature  
<222> (1)..(567)  
<223> n = a or c or g or t

<400> 828  
tttttttttt tttttttcat caaacacaga ttctttactt tgtaaaccctc ttattagggg 60  
tatagagttc tgcttcttac atgcaaaact ggtaaccaag tcaggtaaag aaatacttat 120

```

agagagagag ttctggatga tatctttccc ctctagttca atgtgctaag actgagacag 180
aagcagaatt tgtttctgtc aagggcaggg agggcagggg gggcagggag ggcaaagata 240
ggacctcact aggtaaccct ggctaacttc aaactcagag atccagcctg cactggcct 300
accaggttct aggagtagag gagagcgcca ccacaccag tctgtttttt gagacaaagt 360
ctactatgta agttcagatt ggcctttaac tcaaaaatct tcctatagcc acctccaaag 420
taccaggatt aaaggcatgg gccaccatgt tttggatgac cttgagctcc tgatcttct 480
gcctgnggtc tgaactcaga gctttgtagt gctaagccat aactccaagt ctataagcct 540
tcatccttga ntcactgtgt atattaa 567

```

<210> 829

<211> 439

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI145569

<400> 829

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tttttttttt tttttttcag tgttccattt ctttatttta ctttcatcaa ggcaagccaa 60
gtacagatgc tgtacattaa aaacataaat acccctctta caccatgtcc acctcgaca 120
aaggactcta cgcactgctc tctgaagcac ataaccacac taaatgtaca aagagccatc 180
cgctggcccc acatagccaa ctccaatcag caagacgtcg attagggctc atattcccag 240
accaccaaag ctgaagagct tgccgagggc ttcacgccac tggcccaggc agaagcgatc 300
cgctccaaag cccccaaggg tgatgctcag agccagagcc gtcgaccact tgtagcctcc 360
agtccagttg cagtacagca gtttagggaa agtccggtta cccaagcaat gaatgtggtc 420
gcgcacagtg cagttggca 439

```

<210> 830

<211> 480

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI145870

<400> 830

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tttttttttt tttttttaag tgacacaaga aatgggtctt atttggaaaa cgattacaaa 60
attatcatcc aaactcagaa ggcacagcca acacatacac acaaagtaaa caaggcagga 120
ctgcagcaat agctcactta acaaaatttt atctgacttt ggggtggagga actttcccaa 180
gtaaaaatca actggagtgc tctgtacaaa gctttcctaa tgtctaactc cattaatgaa 240
ttacttgctt ttgcagcttt taagtcttga gctaagcctt cagaatgatt tattgaaaag 300
tcttattcag ttcagtttta gagaagaaaa ctacaacttc tcaaagttta gtttaacacg 360
gtctcctctt ggcaagcatt agatatcttt agcttgactg ttctattttc cccctctgtc 420
ccagctcttt tagatcacgt tagttatttt taaggatcca tcttttttga catgtctagc 480

```

<210> 831

<211> 421

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI145931

<400> 831

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tttttttttt tttttttgcc ttttaaaaaa taagatttat ttttaatttac gtgtattctg 60
gagaggacta tgtacatttg agtgcatg cctgaggcag ctgaggcact ggatcccctg 120

```

```

gagcttggct ttcaggcagt tgagtgcctg acatgggtgc tgggaactga acttgggtct 180
ttggcaagag cagtttaggc tcttgaccac tgagctggct ccgcagcctc ccacactggc 240
ctttgaagaa atactgatct aagagagcgt ggttccactc agtagctctt ggggtctcagt 300
ccaggtctat tcccaggagg cctagtggat cctgcgggtc gtgtagtcca gaacatgct 360
ggcgcacca agcagggccg ggtcaacaa gtctgaaacc actacatcca catcctgcac 420
g 421

```

<210> 832

<211> 394

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI146177

<400> 832

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tttttttttt ttgtttttaa tccatgttta ttaccacag cccattagta tgacatagat 60
aacataaact gagacatttt ctgaggttaa agagacagtc tgaagtatcc tggatgccta 120
ggatatcctg aggcactcgt gttgagcctc actcacacc gcccaagggtt ggaagcttag 180
catggacctg cctccactg gctcgtctcc tcagtgtccc acccttcccc agaccagaga 240
cttcattaga cagccaaagt tatgaagtga gacagtggac agacatcttg gttcgggtggc 300
catctcgga tcttggctt ttggttctg tactctcaa ttgctttcca gagatgggaa 360
gtgcatcctt tgagggaatg tttaaaagta atca 394

```

<210> 833

<211> 520

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI146215

<400> 833

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tttttttttt tttttttcat gtgaagcaat ttattcaaca tttattaaat gctcatatac 60
caaacattat gctatagaga tgccaaatga atgaagtttc tttgcctgcc cctgaggagc 120
tcacattcta gtaaaggaca ctttaaaaaa taaaatatac agtacaataa gtgattcaat 180
agaggtaggt tgcaactata atggtgacca aaggaagggc cagggttaatt aatgtcacag 240
agtctcaaga acgcatggag tttcccagaa gaagcctagg gctctccatg caaatatggt 300
gtctacgaag gtctggaggg ctacaactct ggacttctgg aaaactcttt aacactctta 360
tcagagcaga gtggcaacaa caagaggagg gtcttagata ccaagcagag actctcacca 420
aaaagctcct aaaactgcct gtagcagga tgaggctgaa tgcttctaga aagcccaatt 480
cggtaatctg ggccaacaga gatgggaaaa tatacacagg 520

```

<210> 834

<211> 421

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI146216

<400> 834

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tttttttttt ttttttttaa atggagaata ctgtacttgc tttacaaagt ttttacatat 60
agataaacac gcagttaaga taacagtaaa agcgccctac cggagtgaag ggggcctcca 120
aatcggctac gaaaacttga ataccttttg cataataata ctacgggtctc actctctgct 180
tttgctaacg actgggtccc tctctcgctc taaccctggc cacctcgta agcctcgact 240
gccaaagtcga cgccgagaat caccaaagga aagaggtgag tgggcatgga aggagggagg 300

```

agagagagag agaagggaga ggagaaaagc aggtatcata tacaagcaat ttctacacat 360  
atattacaca ctgggataat gaccgatcat taagatatac ataattcata taaaattttg 420  
a 421

<210> 835  
<211> 456  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI146237

<220>  
<221> misc\_feature  
<222> (1)..(456)  
<223> n = a or c or g or t

<400> 835  
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aggctggctt caaattcaca gcaattctct taccttagcc cccaaaatgc tgggattaga 120  
ggtgtaaacc accatgccag gctttaactc gaaatctcaa agcctactga gatttagaag 180  
ctttgcctaa aacatgtttt tttttttttt tttaaacttt ttttcctttg gaaactacca 240  
tggnataaaa tgattattgt atatcaacaa aattattctc tttttcagtc aaaaataact 300  
ttcacaaaat acctggctaa cccaatagaa aaatacaagt tacattctat cctgagggtta 360  
aaagaaaaaa agtttgatcg gggagggatt agtgaccaca gtgtactctg tcagcgtagt 420  
acttgctgtg gctaatttca atgaaaagga acttct 456

<210> 836  
<211> 637  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI168953

<400> 836  
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gtcaatgcta ataaaactaa aatgtttata aacgttctaa cagttactta actactcttc 120  
tgatgtaatg tttcatttac ttgattaatt cttttctcta aaagtaatag ttaaaaattg 180  
ccaatgggta aattatgaat acaatcgtgt acaaagccaa catagtatgt tttaccattt 240  
atctctttca agttctgcta ttttaatttc tgaatacaaa ggaaactccc agaaaaataa 300  
agccaaaaga ggcttaagtt cgacactatt atgtttccaa agtttacctt aaatctacag 360  
ttaaccagta gatggttgga gaccagagtc attcctttta taggccagag tgactctggg 420  
ctcttatgaa cttaaccctg aaaggaggca gatgtaggga cttcagttta gtttggattg 480  
taagagggga ctctctacct agagaaactt tgaataattt caagacttag aagcaaacia 540  
taaaaattta caatacaatt aggatataat tttttaatat aatagacatt gttaattaac 600  
tatacacata tgggttagatt tcggcagtaa ccaagcg 637

<210> 837  
<211> 448  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI168967

<400> 837

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attgtttctc tctctttttt tttttttttt tttttttttt acaatttgca aagtatttcc 60
agaaacaacc tttgagggtg acaaaattct tacaggggtg aaggaactga ggggtattggc 120
tttagtttgc agtgaagtca actaaggctc aggaagccaa agtgccttgt ctagctacac 180
aaccagttag atctgggaac aaaatcttcc tactgcactg aacagaaaat ggggcccaca 240
ctttgggcta acacaggaag agggccgac agaaatacta gcagggcaat tgtctgactg 300
gaggaatgac cttcggatca aaagttcaga tactcaattc ttgaaaatcg ggatcccatg 360
caaaactggc aatgcattcc aggaaactag acggtcttca gcatacatgg aaaccagagt 420
tgtagctcct agtaaccata taacggag 448

```

<210> 838

<211> 534

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI168975

<400> 838

```

caaaggttca ttgtcacatt tattagtagt agctgcagct ggactggggc ttctatgggg 60
actgttggga caaactttga ggggcaacaa caggagggaa caccattgat ggtcagcaag 120
ggtcttaaaa tgggatacag agcacagtga cggtcacat ggtgctgtca cagcacaagg 180
agctactggg tgctcatttc cttcctgaac attccctgag cctcagtcca cgatggtcaa 240
cgccctccac aaacctggag cttttggact ctggctactt cctggagggtg aagtcacaca 300
ggccacgccc tgccaccccc aatcatggcc agtcaattgt cttcagttag cctcagtact 360
gaacactcgt aactgcctga cacagctgac cctaccctac ctagtacag ctggaggcat 420
tgtctccatt cttgcctgtc tgccctgtgac ctgagaaaga aatggggaaa agaaacttcc 480
actttcccaa gaaagctgga aaaaagagag ggcagattgt ttctgggcag gaac 534

```

<210> 839

<211> 255

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169007

<400> 839

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ataaatattc aatttattca aatcacataa gattaatcca aagccacagg cgtgatgatt 60
tcctggtaga atcaagaaga ttttcagtgt ggagatgac tcatggagat tggaaatgtt 120
caacttgcca cgagcaactg gaacggactg tctgtaggaa actacagaag agcgggggtg 180
gggggtgggg agtactatgt ctaccagcgc tttccgcttc tagctggact attattatac 240
aggagagaaa tgcct 255

```

<210> 840

<211> 474

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169041

<400> 840

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ccccacagaa ctttatattc catactgtcc tggcccaggg cacaggcacc tctgagttag 60
aataatctag acagaacggc ctttcctcta ggtacatcag tcactttgtg ttttcaaagg 120
cttgtctttg ctgtccttac ccaacacagc tctctttttg aggcacgctt gagttacaag 180
gctgatccca tcttctagtg catatgacag ggatggagat cctgggttct ctaccccagc 240
acctagctgt gatcattctt tcctcctctt accaggcctg agggctctcc aatgtatacc 300

```

```

tgccccccaa ttctcacact ctcaggtgct tttcttagta tcagcagccc ctccacctca 360
ccataaaact ggatccccctt ttcttttagc gccctcctat ggcttcccat tgctttgagg 420
aacattagat gggctctgcac catcccactt cacagcacat tctgaccact actg      474

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<210> 841  
 <211> 522  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI169075

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<400> 841
aaaggagagg aggtttatatt tggctcatag tctcagggtta cagtcggtaa tggcagggga 60
gtcaaggcat ctgctgaga accgatcaga atgcacacat ggcagttgct ccactctttc 120
tctactcttc tagtcccagg atcctctacc caggggaatgg tgccatccgt gatgggtgag 180
tcttcccact tcaacagaca ttcataaagg cccttttccc tagtgactct aattttatatt 240
caagttgaca attatcatta gcagagcagg ccatgtctct gcctcccccc tcctaacaca 300
tgacaggtaa gaggatgaag gcagaatgta ggggctacag tgcaagcagg aggaagatat 360
atcctactgg cttcatttcg ctagagaaaa ctcttaatat ggggaccttg aagaaatatc 420
atggactcca cgaatctgct gcttcttgag gaaagagcta aagttcaaact cctctactac 480
aattcattca tttctggggc tgcttggatt tgaacaaaaa tg      522

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<210> 842  
 <211> 703  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI169156

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<400> 842
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aggtacacat atccactggg tccaggcaca gggcatgggg agatgctgca gtgagtaact 180
cattttttgc ataacagtat tgcttttgct agtgtgagaa taaacaggaa agccacgttt 240
cttcataatc tggctcttgat aatagataac aaaggagaca agaccttggg cccggtactg 300
aggcacgggtg cctcccattc gcatctctcc agtttggtcc attagagtcc aagatgcagg 360
ggttccctca ggccccaaaga cacaggaact tgggaagttc tttatgcagc gttcgatgaa 420
tctctgactc ctctcggtgc caccaaaaag ccagaattta ttcaccaatg cagcatgggt 480
aacatccaaa gatgaaagtt taaacatctc ttgattgata gccttgggct tgccacttcc 540
tggtgataaa ttctttgtat ccagcagggg aaggaacagt ttcctaactg tctctgatac 600
cacatagagg atgttttctg agtgtttgac ttggaaagaa tggatgcttg caagattttg 660
tattgcttta ttcaagtggg actggaact ttgaatctgc aaa      703

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<210> 843  
 <211> 556  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI169163

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<400> 843
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gtttctgatc caagtagaac acaccttcat ggatgggtgt tggtagaagc ttcaagcagt 120
ctcttgggtt agactgctca ggactgaacc ccacccttgt tgctcatagc ttggcctttg 180

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ccatgctact aagccatttt tggactgttt agtgatgtta attattttta ttactcagga 240
acaatcagtt ttctccttgg tcattgtcct ggttgattta ttgtgtcaag gtgacacagg 300
ctagagggtgt ctggaaagaa ggactccaga tgagaaaagc ttccatcaga ttgcctatag 360
acaagtctta tatagtattt tcttggttaa tgatggatgt tggaagacct ggatcacttg 420
gggtggtgcc aaccttgggc aggtaggtgg tgctgagttg tataagaaag cagcatgagc 480
aaccatgga gaacaagcct gtaagcagca cttcccatgg cctctgcttc agtttctgcc 540
tggagttcct gcactg 556

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<210> 844

<211> 649

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169166

<400> 844

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tttttttttt tttttttttt tttttgtttt taaatatattt atttattttt tgagaaattc 60
tgggaaatga ccacaaaagt gcagtacatc aaaaaactag gagtttctaa caagctcaaa 120
atctcaaatt ctaaaactcc ttgtttgaaa cgaacttcag gtaaggtaga taaagacaac 180
atcgatgtgc agggcaatgc ggaatcagct tgctctcacc acgacgcctt caggataagg 240
tagttacgat ttgcttttagt aaagtttttc ttttcctgtt aacaagagca acaagaacaa 300
caacacagta ccaagagaca ccgtaaaaca aaggaccac tgaggaagtc actttccgat 360
gtcagagccc gccaccttcc ggctccttg cctcgctgcg ccagtgaggc ggtgcagtac 420
gggctgggct ggccctgcag ccctctcacc gccggctggg ccttgggtca cacttgctcc 480
gggaggcccg cttccttgga ggagagcagc ccactgagcc ccgggctgag tgaaggctgc 540
gcttgtagga gtggcttctg tgtttcttcc cacttggttc cttctggtct tgacttttgc 600
caggctcctt actgcctctt tttgttcgg ggtcttgctc cctcgtgcc 649

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<210> 845

<211> 598

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169171

<400> 845

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acaactacag aacatttctt tatttttcac taagactttc ccagaggaca taactaacct 60
tgtccccacc ccacccccca cgaagggtta gtgcgtcac tgctataaag cagactcgga 120
cagtttcaag gattggaacc aaccttaaat ggcaaaaatg ctttctatct gaattttcat 180
aaaaatgttt aagtaaaaaa acgaaagtta aggatcaaag gggcaacggg ggcttcagag 240
tgaaaagatc attcacggtt cacgtcagac attcaatctt ggctcgagtg taacacagcg 300
ggaacaggct cactatcata caaaagggtc actacagcgc gctgtgggca cctgttccaa 360
gtccaccgcg agcccctaac gttccaact caattacttc ccagtctgtt gggcctgact 420
acggaggagc acgtatatct tctctttgat ccagtctatg ttatacggct ggtatgtctg 480
tgtatcagct cggtaaacaa gacagctgag atctgccaga tcgtcaatga aatcaaacaa 540
ctgactgata tcatatgcga tggaacggct gttgggattc attctcttca catgttct 598

```

<210> 846

<211> 597

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169239

<400> 846  
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tcattagtag aattctaatt taagcaacag aaaaaatagc acattgaaaa ttttagattct 120  
gtcttggtttt cctacttagt tacaaagggtg aacctacagt tgggtgaaca aatattttaag 180  
gcataaaata atttctctac tgggtttattc ttgactccac aaaatgcccc attcctatga 240  
attccttagc tttggaacca actgttttaa tacatggaga aaatgtttta gtaacatgtt 300  
gtgcagggtga ccaaactgta aactgtaaga tctacagttt ttcttactgg ttcttcaaaa 360  
atgttttccc aagaaagtta gaatgcaaat ttattgcacg gataaagtca aaagatctaa 420  
aatgttttat ataagtttaa aacctttgat cattatccta gttttttata aacacaatag 480  
agaaactata ttatagaatc acacaaacaa aattttacaat caattcttta aaaacatata 540  
aataagagta cttacttttt taagaaaaag cattttttatg attaaaaatg acattta 597

<210> 847

<211> 652

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169279

<400> 847  
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gaatggaacc atcacataga tgcctttctg gaaccccaac cttctatgat ccccaaaagt 120  
gtgcttggtga tttcagcaac ttacaaaggg gagaggaaat actgagaaaag gccactattt 180  
aataatgaag gagtgaagggt gtacagggttc ctaaccagcc tagggccaaa aataagaaac 240  
aaaagggtgtg cgcagagcaa gctagcctca gactgctgag agtaaggcat tcagggtgcca 300  
gcctggcgag ttcccggagg caccacaagg tcaagtgcac atggaggctg ttggtagtga 360  
gctgcgcaga cacacagggc acacgcatgc ccaacacgc ataccagaa ggaaagtatt 420  
cagactacac ggtggtggtg attctgttcc ctaagagttt gtgctatgtt gaaccagagt 480  
ctccctgctt tgggaagagg aatgactaga cccaagacc tctacttctg taggtgtcat 540  
gaggaagcat ttcattgctc tgtcccaaag tacgtgacca gagagtatgt ctggcttctg 600  
atatgtgctg tttcccacaa acctagggtga gcttcctttc ggatggacat tg 652

<210> 848

<211> 634

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169284

<400> 848  
tttttttttt tttttttttt tttttccaac tgtttttttt ttttaatttt tcccctttta 60  
ccacaaaaca aagtagaaga aatgattaaa actgccaag tagttaacta gtagaacatg 120  
tattagtctc acacacacat atacatgtac acaggaagga aggcaggctt atttacaaga 180  
aaacatgtaa aatcaaagtg ggtgtcagga aacattgaaa aacaaacaca tacatgctac 240  
aagaggcacc actgagtaca gtgctagggg ggggagtga cagaggcaga cagacagggt 300  
cagtcttcac agcatcagt caatggatcc acaaaccatg ttacagctag ttcattgggt 360  
aaggagctgt tcccaaattg gtccattttg gccctcagag gttgagttct gcagattccg 420  
actgctctaa aagcctacct actgagaggg cacatgatca cagtaagctt aaggagttgc 480  
aaaagctatg cagaccaaag tcaccgatca gcagtctgct ctcagctgca gccctgcatt 540  
tttctgagaa atatcaagg gaaagtcaaa caccagtaaa cactgtctct gaagtgcaaa 600  
gctggagtga ctgaaattca gccaatatt cgaa 634

<210> 849

<211> 567

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169302

<400> 849

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gaagtatgag tctcttttatt ttaacagcct ggcaggatca ggtaacagta cagagttcag 60
aggtgcatag cacaggctgg ggcaatagct cctgtctaca atccagagca ctaagacctc 120
ggctttgtgg ccttaaagac atcagcccca ggggtaatcc agatactggg cataaatagg 180
acagccaaaa cctccctcag tctagccaaa caagctttca tgaggaggct tgttccttgg 240
cctggctggc tcttccccc aaagcttttg cctcaggtag atcagcgata ctaaggattc 300
cttcctttgg ctaatatggg aacttttccc acactagcac agcaggggcc gtgaccacaa 360
gctatgggca tctggggagg tccatttggg catcaagtgg cgacacagag cagggctgtc 420
tgcacgtgct gagagctggg cacacagagt ggccaggcgg caggggtgtc cgcagggtc 480
tgaaggtggg tggcccttat ggtagagaaa ccagaaggctc tggaagagct gctcatcagc 540
cctcatgcgg tagaccaggt tgtgcca 567
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<210> 850

<211> 637

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169317

<400> 850

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ggaatcacag accaaggcta cacactgggt ttccatttcc aaaaatcacc ctttaaattc 120
ccagttctgc attttcattt agcaaagaca ctatagaaaa tgaatcatca tatcctctct 180
aaaggaagaa aacgaatcag ttcttcacaa gagtctttcc tttttttttt ggtatcttaa 240
atgtcgatga tcacgaacac ttctggcttc tcttcattgt agacttgcac tgctgagtat 300
gttattgctt tgacctcggg tccctgaggg tgcttagaca gtgaaaattc ttctccccac 360
ccaatggatc gtaacttgaa atttttttgg tcaatatata gtactttcac ttcccggggt 420
atgaagtact catcggcact gaacctgtaa agccactcgt ccaaaaagtg aaacagcaga 480
gactgcaagt cgtctccttg ggtttccact tccactgttt ggaggggctc cacagtcccg 540
gtgtctgtca tgtaacaaa catggccatg gcacactgtt caaatgcttc ctccagggtg 600
tctccccatg catgtaactg gacattaact gtatgat 637
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<210> 851

<211> 644

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169327

<400> 851

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tgccagggtc acaaactctg attccgtggc aggcaggcaa agtgatcgct ctggtagccc 180
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caagggatgg ctgaacaggg aaacactgtg cacacccac agccagcact ataggtcttt 300
acgaaggcct tttgctgagc agggctcaga ttatgccagg gaaccaggaa gctgcaggca 360
gtgatgtgca aatttccggt ccttaaacgg cccgcgatga gaaactcctc gctgcgggtc 420
tgggacttgt ggacatatcc acagaggctc tccatggctg ggggtgtaggc gaaccggaaa 480
cctgtggcat ttcccacagc gtcgaatcct ttgagcatct tagtcatctt gatctcataa 540
cgctgggtata aggtgggtctc gatgatttct ggggaacca tgaatttagc ccttataacc 600
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aggtccgagt tgcagaaagc tgtctgtggg tgggttgggg caca

644

<210> 852

<211> 625

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI169337

<400> 852

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tcctctgaac acaagacaga aggccttgcc tttctgtaag ctcccaaaag aacatgaatc 120
atggcctcga aagagttcct tctcaagggt gtggtgcatg cctttaatcc cagcacctgg 180
gaggcagagg ctggtgggta tctgtgagtt caaggccaac ctggtctaca gagagccttc 240
taggacagat aaggctatta gagagatgat ctcaaaaaac aaaacggagt tccttctcca 300
gaagaaagga ggagtgcagg ggaggaggca gagacagtgt acatgtaaaa cctgattcca 360
caggactttc ccagcatcat ctgaaactat acatcccttg ccttacagcc ggggggtggg 420
ttctttgggc cagtagacct aggactgggg tgtgcaccac tcagtctacc tccatcttct 480
tattctgcaa agaagccaca aagacttgcc actccgttgg gtaaaagcgc ttatagacat 540
tgatcttatt ccggtctgtg tttgggggtg cttgatagta attcttctca tcccgggcca 600
tggccttata gtcctatcca tgatt                                     625
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<210> 853

<211> 491

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI169529

<400> 853

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taaattacat tattcttggc gcttggcttt ccataacaac ttggaagcag ccacacgcct 120
tgtggtacct ccctttctca tccctagatc tttatttttc tccgaactgg ttctgttcta 180
ggcagagttt tccttggtcc gactctgttg tcattcttgg ctgtggctgc gtctgttgct 240
gtggccacgc agggaccaca cagcctctgc agaggtggat cagtgtctgt gaccctggag 300
atctgtttcc actgggcaga aatgacggag agtgaggctg tctttagtag tctatgtgga 360
aaggatagtc cttatgattt tcagttgagg ggaaggtggc caagcggagg ttcttgtcga 420
ggctgaaaaa ttcctccata tctttttcag ttaattcaaa atcaaattcc tgaatattct 480
ctctaattccg a                                     491
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<210> 854

<211> 453

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI169557

<400> 854

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gagaatggca aagggaagc aaggaaagaa aaaaaaaaaat caaagataaa atatccagaa 120
gaaaggcaca gatagccata tgcaattaca tgtagaaat cagaattttg acagtgaaaa 180
agatgtttta atatttcata aacttgtagt aagattttcca cttaggcagt tttgaaggat 240
ttgactagct gcttaaaata tgaaaacaaa gcaaaacgaa accctatatt ttaataagtg 300
atagtaaaac aggacagcca gccaaactaag ggacaaagag aaggcggagg atggaaaaga 360
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ccaccacact cactgcaggc tcgtggctcc ctcaacccca ttgccttca tcaggctgat 420  
 gacctcattt cttccataga acctggccaa gtc 453

<210> 855  
 <211> 580  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI169612

<400> 855  
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 aaaaagtaat tgcttgctaa ttagtggaat atcgatatctt aaaaaaaaaa aaaaaacaaa 120  
 accaacaat cccatcaact attgtagagt ttgatgcaaa tttcagtcca gggcctcgtc 180  
 ccttggtcca tgccctttcg taaactcttg taaaagtcac gcctttcatg acacattcca 240  
 ccaccagctt gtcaccatct cgtctcctct ttatgggggt cgactttcca tcccacttct 300  
 gcacatgtac caggacccca ccatccaggg ttatgatgct cttcactttc ctgtcatctg 360  
 ggggtgatttc atcgaattcc acgcccagtt tgaaggaaat ctcggtgttt ttaaaagtac 420  
 tctctgaccg gatgacgacc aagtcccctt ctacgctgat gatcaagttg ggcttggcca 480  
 taccggccac tttcctgggtg gcgaagccaa ctcccacttt tttcatgtaa tcatcgaagt 540  
 tctcactgga gacgagtttc caggtcccca caaaggcggt 580

<210> 856  
 <211> 583  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI169617

<400> 856  
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 gctgccggaa gttccaatca agaaggcaag gacagtggca atcaagggtc ctctctatcg 180  
 attctgtgtg agggacacgc acctctcca ggcctcctga agtagtgtgt cagcttagct 240  
 gaagagtcga atgggtgccat ctgccccgga ggagaagacc catggctgtg tgggggtggaa 300  
 ggccacatcc agtacacca gatctcgggt caggctgtgt cccttaagca ccttgacggg 360  
 caccagcaat gggttctgca gcaggtcatt gtacaccatg ccatggcaaa cgataacgct 420  
 gccgtcgtct gagccggatg caaagagtgg gtatcggggg tggaaggcca cagcccgcaa 480  
 ggcttcttg tgggtgcctca gcactttgta tggcttgggtg gaaagatcca gggcaaacca 540  
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<210> 857  
 <211> 600  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI169619

<400> 857  
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 aataaataac ggtgtttaat cattaaaggt aaaaatccca actctttggc atctgacagg 120  
 attctattac ttgtcaaat aatgactgta tagatagagt taatcttagt gaccattcat 180  
 cagtacaata tggtacaaag gtgcagtttg ctttaaagta gaaacagcag aaactttcca 240  
 gccacaaaa acttggtatg atgcagtaag ctgggagccg gcctctcctg agctctctct 300

tacatgttgc caacatggct gcctctctat taagagctcc tggggtttct aagagtaatt 360  
 ctgctctaag gaaagggtgc catccattct ggacagagga aaaattatga ttgttccagg 420  
 aatggcccaa ttcgtcaatt aaaaagtatt cttgttttat aagcaagact gctaaccct 480  
 tagaaactca cagtgcctcc aaagaaaaca taaaatatgt agtcctatat agccagaatt 540  
 gccaaatcag taataaattg cacctttaag actgagtaaa agaaacagaa atgtttacag 600

<210> 858

<211> 682

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169620

<400> 858

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 caggcacgcc ccggaatggg caaagacctg gcaggaaggc actcttgac atgcgcatag 180  
 ttaacttctt gatagggggg ccagctggcg cagggaaggc tggcgccatc ttgactgact 240  
 tggccttcca cgtggggcgc agtggaagcc agcgccatct aatggtcgcg catgttattg 300  
 cggccctcta catctcacc ttataattat aattttatag cagaaatgat caccctatcg 360  
 cgtgcaatga ggaaacctca gcgatgtgca agggctgac aaaggaaatc actgagtctc 420  
 tctcaatccc agtgcaatgg atccacagat ccatggggtg caggagcaga gaactcagat 480  
 acagagagta tccctctcct cccagtgcga tggaccaca ggtccatggg gtgcaggagc 540  
 agggaaactca aatacagagt aaatcctgaa caagataacc aaattccagg tgaggccctt 600  
 tgttcaaattg gctgcaagtg cttgagtgat aacggccttg tcatgttact gttgagatct 660  
 gagtttgtaa accaaccata gt 682

<210> 859

<211> 547

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169668

<400> 859

gatccaggag ggtattttaat ttacatagca gccacgtggg gcctgtcaag ctgggacagt 60  
 gggacttctt aaccccagat ggcattccct atccttttcc ttcaggactg tcttcacagg 120  
 cccttgagata ggtcgcccca cattgtgcag aggatgctcc agttgaaagg aagagagaaa 180  
 tctgggaaat aaggctgtcc ccaagcgggg aaagtcctaa acctggagtt ggttgccctac 240  
 atggtagctc aggggtcttg caaaaaccag tccacgtcct aggcacagtt cttactcagc 300  
 tgggccttca gaggaagccc tcccggcgga actgttcttg gaggagggtt cggtactggt 360  
 caaatcctcc ctgcaccga gtgacactgc ctttctcgca caccacagc tccttgacac 420  
 ccagtcggat gaagcgtcgc tcatgagata ccagaaccac accaccctg aagttgttga 480  
 gagcatggcc cagagcttca attgtctcca tgtccagggt gtttgtgggt tcatccagaa 540  
 tataaaa 547

<210> 860

<211> 554

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169690

<400> 860  
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 ctctgtaaag gaagttaggt tccatgggtc cataggaaaa atatatctct ctgcttggat 120  
 aaagtcctgtt aaaagagcaa atcaccttgg aatgttctt tacatgtctc caacctatga 180  
 atacacaata aaacaaaagg tatattaaaa aatataactt ttcattttaa aagaagaatt 240  
 aaatactaata gatgtagagg taaaatacat ggaaaatata caggtgaagt tctaaaaatt 300  
 tctcctatatt tattagtgc tactaaaaat actcaggaaa caacaacaac aaaaacaata 360  
 attacagctg atcataaaat aaagtacagt agttttactt ttaatatatta ggggaaagg 420  
 caaacaaaat gttgtccatt caaacaacaa aattttaata actttgattc aagtaactta 480  
 gaaacatggg tcacgtgggg tttaatgtcc atttatggct aaatatcatt ttaagagaga 540  
 ccaaaattaa taac 554

<210> 861  
 <211> 652  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI169695

<400> 861  
 ccacaacagg atttattcaa tgataacatt cagttattca gacatcatag aacaacataa 60  
 acataaacat cagtgttcat aaaatattta aaacttttga aaattttatt ccattgggaac 120  
 atccctggag ggaaaccggc cattttctcc tggaaactt tatcaaaggc ttcagcttgg 180  
 gctactgtga agtgattctt ccagtcatta gttgtgcctt ttctcatgaa agtaaaacca 240  
 gtaagaatca gttccttctc catgaggcta taattggaca tgttgttttc tttcacgact 300  
 tggaaggaac tatacttgag gaccaaattc agtcctctg gctctaattt tttccccagg 360  
 aagtcacata tcttctttat ggatcccat tgcctctttt tcatgtcttc atagtacagt 420  
 accaagaagt tgtcccattc tctcatagac agccagccac ggatgtgctc aaaccatgat 480  
 ccatatgcaa catctccttt gaggaacct tcaacgtaag tcccagcga gtctgggttc 540  
 tttccaggc cgatcttact ccagaaaaaa taagcagaaa caagaacatc tctgggaatt 600  
 tctgatgaga tatatcacct tggccttgga actgaagaga gacttggaga aa 652

<210> 862  
 <211> 490  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI169706

<400> 862  
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 aagctctgga aaaggaaggc agacaatttt aatactgtat ggttgtttcc cagatacacg 120  
 taggtggagt gcaaggaagt agggaaactaa catcagctgc ttaattccaa gtgtcagaca 180  
 ttagcaatgt ttatttccca attttgaagg caggtttcaa tgtccctgac ttttaccag 240  
 taatctttga aggttttga caaataaata tactgtttgg tttagaagat gacttaccga 300  
 tgggtcaagga tgcgtgaggc ctttggaagg ctctcccta cccaagtact tctgcagtt 360  
 tagaggaaaa aggacatggg ctcaaagata atgcagtagt gtgtgtgtgt gtgtgtgtgt 420  
 gtgccacgc gcgcgcgcgc gcgttcacgc acgtttgtgt attttcgaaa catggtctca 480  
 cttaggcctg 490

<210> 863  
 <211> 492  
 <212> DNA  
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169751

<400> 863

```
aggagggatg cagctgcaga tgggtggagca cgtcaggatc agaaaccaga atcctctatc 60
aagtctggag acgaggagca ttaagagcaa tgatgacgac agtaacaata gtgataatga 120
ccatgaggat gctgaggacc agggagctga tgttcaggca tttggcagtg gatgcgtaag 180
cctgggctcc agtcatatca cccaccatct tccgatccct agacttcaca gagtaggcat 240
atgcaatgaa gcccaggcag cagaagttca tgaagagcgt attgaacagg gaccatacca 300
catgggtcagg cacagagacc tctctgggca tgttgatcac ggtagttctg acagaagccg 360
atccgtgggg tgccccagtg tcagacacct catattcttc cttgattctt tcgtagtttg 420
ggggttggtc cccagtgcca gcgttcacga aggcttgaga agtgtggttc atggtaccga 480
gcaaaagcag ca 492
```

<210> 864

<211> 494

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169779

<400> 864

```
cacatcctaa acgtctctgt tttattctca atattctgta cagtatgtac aaagaaaatg 60
gatatgtcat taaacacaat ttaaaattaa taattaaaaa tatatgactt agggttgggg 120
atttaactca gtggtagagc acttgccatg caagcgcaag gctctgggtt cggccccag 180
ctccaaaaaa aaaaaaaaaa tatatatata tatatatata tatatatata tatatatata 240
tatatacatc tgacttaccg gggataccag aatatgccac atcatgaagt cacctatcac 300
agaagcttct ggcgaata gtacgattca aattttgatt tttaaagaca acaatttttc 360
acagtcctct tcccccttgc ccattctctc attttattga gttataaatg 420
cttaagcgaa tacctgttta tatatctcca aatcttttagc taaaaatgca cagctatacc 480
ctaacaaggg ttct 494
```

<210> 865

<211> 557

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI169947

<400> 865

```
ccattttattg tatagttaga gtttcaatat cttttcattt gggaaaccaa aagataagag 60
aataaatgta cattcctact aaacttgccct ttgaaacttt accaatttaa atgatactat 120
attacaagat tcgtaaggat tgacacaaga aaggactgaa ggatgtaaga catggcccat 180
ggctggcaaa accggaaagg caatggatat atttcagcac ttcctatgtc ctcaatcacc 240
ttttagaanaa tccatcataa gccagaatgt acatggtaga tgctcctcag aaccacctca 300
agtgcgcaca cataactacc gcttaggttg cttcgaacta ggttcaacct ctgtggaacc 360
ccaagtgcct gggttgagaa ggtggctaaa cttaatgtaa tttatagcaa aaatatacat 420
cataattgta cctgcaactt ttagagacaa aagtgattaa cctggcactg acatccctct 480
atcaaagcc gggttaattga aaaattagaa aatatcacag caatataaca ggttggggat 540
cttaatagga aaagaac 557
```

<210> 866

<211> 502

<212> DNA

<213> Rattus norvegicus



<220>

<223> Genbank Accession No. AI170007

<400> 866

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atgcacgaca aaattccctt tattgacatg aatcacagtt acgaggtcct atccagcaga 60
aagggtgatt tgcagcaaca gaacgacaca cggagacgta aggatagaaa tatacacacg 120
tgccaatcac caaaccagct aacctcaacc aatcagatct ctggatgtgt ctttttgatc 180
atcaagtgct ttcagaagaa cagacacatc cggccgaggt tggcctctgg gatcttgagc 240
attcacagac tacagtatcc atccatggat ggacggaaca tgtaaacaca gagggcagat 300
actgagaacc cagtacccaa gtgcctggct cccgggtgaa gccttttctc tgagtccac 360
acactcccca gccaggagg gctcagggt gatgcgttg gagggcagat ggtggagcga 420
catgtatgat ggagcaggtt agcatgtagt caagggtccag tcattcttca ggatcacctc 480
agagttttga gttttctaag aa 502
```

<210> 867

<211> 520

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170038

<400> 867

```
acatgaggac aaattgggtt tattgtggga taccacgatg ctacaacata tacaattgat 60
aaatgttaac acagcacaca tatgagttat ggcagaaatt acatgggtcat cttaatatag 120
ttagaaaaag cccatgtttc cctcaggat aaaatgttg aagaattagg agaagaaaaa 180
tgtctttaca tattaaggc tagatatgat gaacctggaa atgacatcat acttaatgaa 240
gaaagacaga gattttctc taaagtcaga aatgaggtgt gtgatcactc ttgccattct 300
tagtgtagt ctaagaacct taaacatcag gatagagatg agacaagaca ttgaggaaag 360
caggtaagga taaccatgta ttaagatgat gttaccacag tgaaagcccc tcctttgcat 420
gctaactgaa gttaaggatt tctagaaaaa taaagtttac acagtttcaa atgtctacaa 480
catgaaatat gaaggtacta ccagaatctc agcaaactgg 520
```

<210> 868

<211> 594

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170260

<400> 868

```
aatatcaaaa tatattttat tctggacctc tttcagatct gattcaaatt acagttgtca 60
aagcaatata atgcaaaggg aaaactgcaa caacaacaac acacacacac acacaaaatg 120
tgccctggaaa ggggtcaaagg gtcacggggg acaaatcact gtgatgtgga accaaaatc 180
atcgtaagtg tcattgacat ggtccaggag agatagacat ctgtatcagt cttccttaca 240
caatcatcat gaaaattgaa caataaagtt cttaagcgtg tacaaaaaaa ctgtcatggg 300
ctggtttaca cttctacaac agctttaaag ttaactgtgg aactaaagaa aggctgcaga 360
catcgtcacc cagtactaag gtaggctcac agaattagac ccaaatgatt tgcaaaaact 420
caaatgaaaa cattatatat agcaacaatg tcaaagtcag gaaagaaaat cacttctgta 480
tttaaggatg gcagagatac acaatgaact ctgcctgttt gtaatgagat gaaaaaaagc 540
acaccagata gaacatgcag aatgtttccc caaacttaat gagaaatccc aaag 594
```

<210> 869

<211> 635

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170313

<400> 869

```
tcttttattta tatataacaa cagtacaaat tgtgtccttg gcttgcaaaa taggagtttc 60
atatttacia taggtacatg ataatatatt agataacaaa atcccgttt attggaacat 120
tttaaatact tcattttctt attatttcat aacacctgta aaaacaacaa aaccagacaa 180
ccagcattgt acttttctta aaatagatat aatacagatt ccagtgtgtc atggggaaaa 240
gtctgagtag gagaggatga ggagaggcag tttggctcaa ggccttcatg tgcctgtata 300
cagagcttgt ccttttctct ccatacatt caggagcttt ggtcctgttt gatggggacc 360
acacttcctt atgcttggat gtcaaactgg agatcaagca tgtcaaatg atgaccttga 420
ctgaggctca aagaagcttc ttactccctt cattgggtta ctagggtaca ggcagcacat 480
agcagggagg aggcagctca gtctggggag atggtttggg agagactatc agtgactagt 540
aaacgaaagc aaagagctgg tggaatgata ggtagaaagc taaaatgaga gcaagactct 600
acaataactc accctcctgg catggcatgg cctgt 635
```

<210> 870

<211> 542

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170327

<400> 870

```
aaacatgttt attacaacag atacaattca catctgacta gctttgtttc tcctttcccc 60
tcccacaacc atgttcattg ggccacttcc ttgtatttga gcagtcaatg tacttccagc 120
acacttgccc agcagtactt taagtccatt cttacagggt gaaaatggat ttcaataatt 180
tatacaaacg tgggttatgc tcaatcactg caactccagc tactgtacac aggaatgaga 240
aggttataga aaagtgccac agcaacagtg ccccaagaaa ggaaagaggg cacctttaaa 300
aaaatggata aaatcaggcc aagggacttc agagggaatg gaacatacag gaaatgacaa 360
catttctttg caaaacaaat ggagcagcac tgctcttgat cagggtgcaag tgctgatcag 420
ttgtctcatg atatttgtac actgctcata aggttcaaaa tcgtatcctc acacacagat 480
cacctggcgc ttgactgga tttttgaaaa tgcaagattt ctgaatgata aatcctcgtg 540
cc 542
```

<210> 871

<211> 638

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170385

<400> 871

```
atggttggtt ttttggaat tactggaatt ttatttgcct caggctctta tgacttgcaa 60
ccaaagacat tgtgcaaga aagcaaatg taagtacact ttaggagaga ggagaccata 120
cacatcggtg acacaggaga tcgggtggac aaaagaagcc atccgggaca ctctagacac 180
tgtaatatct aatagcgttg tcaataaaac gagaaccaa aaaaaaaaaa agtttcagca 240
atgtttacag tagacataaa tcttatacaa gtcaaaaagc tttttttgtt gttgttgttg 300
ttcttcagat catagagcat aaaatggaaa aatgtatat taggtgatat ctaactactg 360
tacaattgtc actagtaaag tcgcttatat gtaccacagt gtaaaaacaa aaaacaaaaa 420
acaaacaaac aaacaaaaaa ccccaaaaac ccaacaatac tgaaacaaat gaaaatcttg 480
aaaatcgctt gatgaaaaat aaaataacca gtggctttga acggttcccc ctggccatcg 540
gcgctgcaga agatgaaaat cttcccatca gaacagatgg cagaaccgag cccaccaaac 600
```

tgcgaccaga ctcgaccac ctgtagaaat atacccctc

638

<210> 872

<211> 673

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170394

<400> 872

```
gctaagtaca cactttaatg aatatttata cacatttttg ttagtagagc tacatattta 60
tgggacaaat attagacact ttaacaggaa gtttctgcat taaaggctcg gaagtcttct 120
gctgtgcctt gttttgcaga cttagtaatt cttaaagaat ttacaaaatg aagccagtat 180
gtttagaaat gtgattgtct tcaatgaaac attaaaatgc accccaaacc cataaagcat 240
acaaaggtta aggagaacat tttattgttc aagaagcagg tttgatggag aggttataca 300
tcaacccctt tggctgggca gttggtaggg cagagttcaa attcagtcac tcatttctct 360
cataaattac tcaactgaaa aagaatgagt aatttactcc cattcccaga gattgagaca 420
cttgagctc ttcagggtgg cctactgtgt gcacaggccc ttgattgtaa atattgaaga 480
gagaacacat cgtctttcat agaagatagc tcaactgaaga tgtgctgtga tgaatagata 540
cataacttct aagacagcag tggaggaatt ttcattgtgt agagaattaa attctcagag 600
gtgaaaattg agcaaaccac caactattgc taggtgtcaa tcatgcagcc tgctggacgc 660
ccccatggaa gcc 673
```

<210> 873

<211> 608

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170426

<400> 873

```
aaatggaatt tatgtaaatt tttttattaa gtattgggat agatgacaaa ataatgtaac 60
tggaataaaca aatttactct gtttatatga ccactgtcct aagccattac aatagtttat 120
gacacgtggc aagtgtact cagacaataa cttaatccag cagaagaaca aaaacatcag 180
tagtactgag tgaatatatc tctctcatat atatataat atatataatt gtatgtatat 240
atatagcttt gcacaatcag ggagcaaggc acataatgaa atgagtacat ttatgcagaa 300
gaaaataata gcaacaaggc tgaaagaaaa ccacaacttc atccttatca agctgtgcat 360
aatcctctga ataatgtcct ctttcaggta catgctttta aaaagtatat ttctacatta 420
tatctattta tgacaaaatt ctcacagcta gaagtcagag tgagccttga ctccattttt 480
ctttaaaaga aacagaagag gacaacccca gttaaagata ctgtgcaatt ctctttgaaa 540
acagtaaaca gtatttttac aacacttatc acacgctaatt catttatttt acctatgcat 600
ctcaggaa 608
```

<210> 874

<211> 452

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170447

<400> 874

```
gcccggaat gttctttatt attctgtaca ttaatttggt tttttttcca cgaagagaa 60
aactttcaaa ttaaattcaa ggcagacaca gaggtctgaa tgatacttga acagtctgtg 120
acacagagaa catgggagtg aaacaatcct atttacacag atgtagagac agtagagcaa 180
```

```

ggaaaggcac cccccaact tcacattcac caaccagggc caggcatcct gcctgtgggg 240
caaagctgtg ggggtcccat acctgcaaac acagggcaga gcaaccctct ttgccttctc 300
aatgctaccc aagtgtcaaa tcaatggtgc tggacctgac ttcttaaaca ccaagggtttt 360
ctggcaggag atgaaaagaa aactcgacaa aagaggatct atgggacatg aagtaataac 420
aaagctctga aggctggaaa gctctatttc ta 452

```

<210> 875

<211> 500

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170617

<400> 875

```

cttaaaaaatc tcacaatttg taaatgtata tttttttctt taacataaaa gttttacaata 60
tacggtaaaa caaaaggctc aagaaaataa tctcaaaaaa aggaaaaaaa aaaagaaaaag 120
aaaaagaaac ctgaaattct gaattaaagc tgaaggcggt ttttaaacc cgtgtgtgaa 180
ccagtgcagt gttttttatt tgctgatggg tcagagaaaa gaaatatatt taaaacctca 240
gtccaaacgc ggccttcgct gccctcccc ccaggtcga gtggccattt attttgtcct 300
tagcgagtgt gtgattgtca cgagttcacc agtcccaaat cctgccctgc tgccgtcccc 360
ctggctagcg cctgtaggga tggagccct gcacgttgtg gttctgcca cgtccgaagc 420
cactgccacc agcgggggga cccctgagc ccggaacaga gggggcccca taggagggcg 480
gctgctggct ggggtctgaa 500

```

<210> 876

<211> 631

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170673

<400> 876

```

aagaaattta ataaatattc caaataaata tataataaaa ctatgaaata aaaataccaa 60
gaatgggcaa ctaattgcat gaggtcata cagaagcggg tgagtgaagt tcagtcagag 120
ttctttatga ctcaggagcc aagaaaccac ctctctttg ctgctgctgc tgctgctgct 180
gttagttctt tgccgacatc ttatctagca ggggtgacct tcagaatgct gaaccaatcc 240
tcccacccat tcccaggcca atccttatgt gaacgcctac cgaagtctac tcccggttct 300
ctacaaagggt gagcagtcca ggcagcaacc ttctgtgccc ttaccccacc acctttcctt 360
ggtctaacca ctaccacag cctactatct catatcagac atagttaact actttttatt 420
tcattgggga aaaaaaagtc tgcataaaga accgaactgt ggttccttg aggaaaatgt 480
tggtgtcggg tgtggtggca cagcctctt taatcacatc tgataagtat gcacgcaccg 540
tgggtctgag gttggtcaag tctacatagc gagttgcaag gaaaaaaaac gaaccttcaa 600
aaacatttac cactgcttga gtgaaacctg a 631

```

<210> 877

<211> 671

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI170679

<220>

<221> misc\_feature

<222> (1)..(671)

<223> n = a or c or g or t

<400> 877

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gaacacatgg atctttttat ttttgaaatc aaaggcaatt caaagggaca gtcactgaag 60
cttctgttga agatctacag agctggcccc attctgagat taaataatat tgcactttta 120
gaggacctaa tttctaggct tttcatccaa gaaggaaagt attgctttgt ttaggctttc 180
cttagactaa aagctcattg cagaaaaacta ctttaaaaat caatagtgcg gactacaaca 240
tagtaaataa agtacctgct tgctttataa tctgaggaca ttttattgta aaactcttta 300
gcccataatt agtagaaagt gtagctgaca gtgctcattt cagtgggtcca ggatccgaag 360
gttcccagat acaatcttgt tctctaacac tgctcctggg gggatgtcaa ttctgtcacc 420
atgatttgca atgatgataa ctgttccctt taatgaaaca ttttttccaa atgttacatc 480
tcttgaaacc gtgaggtggg ccagttccaa catatcgggt atactttcaa accttcttag 540
ataatcttga accttggtta aagaactgcc taatttaacc aaaggactg tangaaattc 600
acgcttttca ctcatgggtca aagatcctgc gttaaggctg tanagggttg acatcacaag 660
taagagatct g 671
```

<210> 878

<211> 450

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170696

<400> 878

```
cagtttcttc tatcttttat tgtcacagca gaagttgtgt gagacaggag gtcacaccct 60
acacacaaga gtatggtctg tgtgggggtcc agttttgaat tacattccac caccgcatct 120
tcatgagggtg cttggtctcc taccaccagc atcacggggc acttgagggt catctacca 180
cctcgctcaa agttcagggt tcggcggttg ttgtaactgt tccaatacag ttogatgttc 240
tccaggttgg gcgcgtgtgt gatgagactt ctatacttct gtatcaattc agaatttcca 300
gaaagctctt cctggctgaa aaggtgccca agaatcatct ccggaatgga agacgtaagg 360
ccggttaact tgtgggtgac ccaatccatc cagcccttgg cgttgggata aatgttgatg 420
agaacaagac cttcaacggg gttccgggtg 450
```

<210> 879

<211> 440

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170709

<400> 879

```
gtgaatgtaa aacattttaat ttaaaaatgt tgaacactac aatatataaa atagctatta 60
taaatgcaca tagtgatttc tatagctgcc aggtttactt ttttttttaa aggaaactgt 120
tacactgtgg ctaaaacttg tatcttcaac ctttgaaaaa gccacattc tatcacagt 180
atgtatgggt aaacacttgg atcaagtcac aaccagtttt attgcaaaag gaccctgtac 240
acattttatc attctagtac cttaatagct acccaacaag tcattaacat acagaaacat 300
gcatcatgag aagcaagaag tatcaccat cccttctgca tattagcaac ttgtcactcc 360
tgagccacag tgctcacatc actgaggtct gtgaacagtc actctttcca ttcaccctga 420
gtgaaagatg gaatgactta 440
```

<210> 880

<211> 712

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170751

<400> 880

```
cagaaagaat taaaacattt attgggcata aatatattac atatacacta cagatacagt 60
taggtattac atatagcata gtatttgcaa aatctataca ttaaaattga tatggcagtt 120
ttaatacaat gtatatgaaa taatctaaaa ttacaagac aggaaacata tgattatattt 180
tttttctcct aaagttgaaa agcttggaat gtatgtccaa cagtgaggta aaacattttg 240
tctttcaatt taaagaattg tgcaaggata acattcaaac acattctatt agggcacttg 300
tcaaatttga cacaataact gaatgactgt agccaaagag acagggtcag aaaatgccaa 360
catctcaagt gtgataagaa caaggcagat aatatgcaaa atagcctttt aaaaaagttt 420
tctttgtgaa cattttcttt gaggacagag ggcagtttgc ttcaggtgac tgggaatttct 480
tgtgtcaggg atgcagttga tgtacagaga agcatcaggg catcagaaag ccattcactc 540
attcctacgt acggcaaagg gcacagagaa ggccaataga aagccattca ctcattccta 600
cgtacggcaa agggcacaga gaaggtcaat agaacacttt attgtattgt tcctttgtaa 660
tggaatatata tatatagtta tatatccata gcacatatata agatctgtga ta 712
```

<210> 881

<211> 721

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170752

<400> 881

```
catggcttct catttatttc aatggctcag caaatatata caccacata catgtacata 60
tgaatcatac atacattagt agaacttaag gcacaaagaa aacagtaaaa cattaaaatt 120
cagaacttag ttaaagagag ccacttcctg tagctttggg gttttacaca cacgggcaca 180
gacttcaaca atcacatgaa gctaactgac actgattaca gtgaaagcct gacagtaaag 240
tgacaactca ggatgatgga atctgggaag gataagcgga tggggaagaa cttcacaggg 300
gcttctgaga ctgcgagtgt ctccactcca gtatgaatgc tggatgttcc tttctagata 360
gtaactatac agtctatgca tttttctaaa aatatatttc caaacctgga aaagggttaa 420
aaaaatggga tgaagtatat aaaaacattt ttgaaggaaa atcattacat aagattgtgt 480
gtgtgtgtgt gtgtgtgtgt gtgtgtaacg gtttgcttgg taagatttaa ggggactttt 540
gctaaagaag tcatacaccg aggtcaggct ccagaagtgt cctctgagct agtcattcta 600
gttttccatg agagagttct gataacaaca ccaattctta acacattagg taatatgttt 660
ttctaaacaa tttctatagg ttttatacga catgccatgg tgtgccaca catattctgc 720
a 721
```

<210> 882

<211> 671

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170763

<400> 882

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cactacaata ccacagcatg ctggttcaac tgctaagttt acctttcact tagcagagta 180
agattggttt gatatgtgac aaaccaaggc acggaccgtt tgggaaactt tctgcagcat 240
cacacaggaa cgaagcgttg cacctaagag ttcttcagtc aaatggccat tatccttttc 300
cagtctaatt actgtggctg ggataaggta aaatacacct cctagacttt cacatagacc 360
atgcccaaca cagcaccagc ctttcatcaa cagtcctcag tataagcact gtaccctaag 420
gattttctga ggtggatggt gaccctattg ttgataacct aatatggctc tattttaaat 480
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cttccctctt tctttcctcc ctccctcccc tcttatactc cttccttctt ttcttgatgg 540
ttttagggat agaactcaag gccttgacca tgctaagcaa gctgtgtcac caagtacagc 600
tctaagcttt tttccccctt gaaaaatttc ataaatatgc ccagtaattt tcattttgaa 660
aatgtaaact a 671

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<210> 883
<211> 618
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI170770

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<400> 883
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acacaaaggc ctgcgtcgat gaagcagctg acaggcaagg gagctcacag gctgtgcttt 180
tgctcatcgg tctatttctc caaataacaat atcctgggtg cctatgatgg ctacgacatc 240
tgccagcatg tgtccttttag acatcttgct caaacctgcc aggtgggcaa aaccgggagc 300
cttgatctta caccgataag gtcggctgct gccatcagat accaagtaca ccccaaactc 360
gcccttagga gcttcaatgg cgggtgatgt ggctcctgga ggaacttggg agccctcagt 420
atacagctta aagtgatgaa ttagtgactc catggacgct ttcattctctg ctcgtttagg 480
tggggacact ttggcgatcat caaccttgat ctcccccggc ggcattcttg tcagacactg 540
ttcgatgatt cgaagggaact ggcgcattct ttccacacga cacagatacc tatcgtagca 600
gtccccctga gaaccaat 618

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<210> 884
<211> 585
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI170773

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<220>
<221> misc_feature
<222> (1)..(585)
<223> n = a or c or g or t

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<400> 884
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agagtgattt cagaaaataa aaaaggaccc tagaggcagg cggtagtgcc cctccccccg 180
caaagacaca ccaaatttca agactttata tatatatctc tgtgccctgg ggggaggaga 240
gagacacttg gcagcatcct ggaggggggc cccaggcagc cccaagccat cctgcctcat 300
cagccacttt attagctcaa gacacatcgc actacaggca cccactgcca ctgccgccac 360
agccgcgcgc gccccctgc agtcacaggc gctggctggc tgggcatcc acgtgtccat 420
ggctccaagt cccctgcccc acccgccatc agttgtgatc agactcctcg tctcagcct 480
cacgaagcca attgaagaat gctgtgacag atttaagggc cacacccttg ccctgctgtt 540
cagcagggtc cttgctgctc tcccagctgt anaaggcgtc ttctt 585

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<210> 885
<211> 629
<212> DNA
<213> Rattus norvegicus

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<220>

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<223> Genbank Accession No. AI170795

<400> 885

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ttgctatcag agacacattg aattcaaaat attttagatg caatttgaca aacaaaacaa 180
gcaacgccaa aaaccttatg gtgagatttt aaaacagAAC attctttaat ttcttcccaa 240
gttactaagc agtctgatga cttcatttta ggaccacaac gtgatcactg cctctagtct 300
gcaggggaga tggatttcct cattgaaaca agaaaaacag ctcttttcca tgtgtgaaaa 360
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ctggaaaata actatgctta cttgctgatg tgtccgttca ggtctgagaa agaagaaaat 480
ctacaaatgg tccaaagatg aaaactttac tcaagtctta gatctgcttg agtttcttct 540
aacttgcaaa tatcaaatg aaaaatttag ttaaagcacc tgattcatgt ggagaaagta 600
atgaactgta ttttgatgct aacatatta                                629
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<210> 886

<211> 662

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170820

<400> 886

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atgatagtct cgacagaaca cgcagctcat tagcacagac tcagatttgc tcgtcgttac 180
tatctttgcc accaacttcc tgctaacagt cacgttttga catggctact gctctattga 240
gaagtttcaat tttgtgataa tttacttttt tcaaagaaat agaattccaa ttcttgtttc 300
atattttggt ttataagcag atttttgcaa atttttttaa atgtaaaact gtgacagtct 360
ccagagaaac tgagtgttac aacttggtcc gagagagctg ctgtacagtg acaagaagcc 420
atgaacctac tctaaagtac aaacacgcac agcctcagcc agcctgccag tgcctccaag 480
acactcctgg ggagggcagt gctgggacgc ttccgtctgc tggctactct acccagagca 540
agggcactct cctgcctcgg aacgctggtg ccagtctctg ccgcagacac acacctggaa 600
tggaactctg gagcgagtag cctatcgacc aagctacttc atctccactt gataatttaa 660
ta                                662
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<210> 887

<211> 641

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI170821

<400> 887

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caatgcagga catacagaat cccctcttag agagttcttt gaagcagggg gtttattgct 120
gcagttcaga gaacacaatc ttagacacag gacagtcaag atgagtccac gttagttaaa 180
gggcagcttt gttaaatggt tttgttctat tattcaaat taatggttga tggaaattta 240
aatgttgctc atgaaataat ttaacctttt caaaatcttc taataaacag gtaaaaggca 300
cctctagtac ttttaagcatt tacagcaatc ccaacagttc catttcaatt ccattgctcc 360
tgtagcaaac gtggctgttg tgcatacaca gtgccaccag cactctccag caggagagac 420
tgcaggctcg ctctggtttg tgggtgtgggt ctgtgttact ggtgatggac tggggccacc 480
actagtacag cactagtgtg acacgtctac cacagcataa aacctatcca gtcacctaca 540
ataaggactg tcaaattccc acacaatata tcattgttta acttgtacat tcagaagact 600
ttgggggtggt ttttaatttt tttaaaaaaa gtaatttagt a                                641
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<210> 888  
 <211> 426  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI170967

<400> 888  
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 gcttttttcta gaaaagcaca taggtgtaaa taaaaccgag cacacccatg agaaaaggca 120  
 gtacctcagc agctccttaa gcaccttaga ggcattgaacc cttttcaaca tacgcttctt 180  
 cacgggacag acacacccaa agttcataat gattgtgaat ggcattccta cggctcgcac 240  
 gccacaatg gtgaatcagg cagacattac aaaactcagt ttccaaccgc gtcaggcgtc 300  
 cacaatgagg cgaaagcagt gaaggcgggt ggcactgttt cccagcagcc acgctgaatc 360  
 tcagtttctg gacaatactg gtaggtaata gtctgaagat gctctaaaag caccgatcct 420  
 caccct 426

<210> 889  
 <211> 602  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI171088

<400> 889  
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 cagggcaggc caggcagcat tctggggcct gtaacacttg gttggtgggc aagagtcac 180  
 tgggagtctg gtccaggact ggtggtccca gacagcttg aagctccttg gtccaatcca 240  
 actgaggtct cgggtggtgt tacagtggca ctggattcag cttatgtcat tcagggcctt 300  
 tcgggtgaac tctggcagca cgaaggccgc gcggtgcatg tctgagttat agtacttcag 360  
 ctgcatctgc tctacctggg cctgtgtcag ctgctgcacg ggctcccga agttggtgct 420  
 cgggtttttg ctacacagca tgaagccgat ctggccactg ggataggtgg gaatggtaca 480  
 gtaggcatag ctcaccacag ggaagagaga cttgcagaaa tgcctcatct ccttgatgag 540  
 gtccagggtgc agccactggc actcgccctg gcaacagagg atgccatctt ctttgaaggc 600  
 tg 602

<210> 890  
 <211> 534  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI171094

<400> 890  
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 agaatggata aagaaaatgt ggttcattta tacaaggag actactccgt cattaaaaac 120  
 aaggacagca aatgaatgga accataaatt atcatcccgg gtaactaat ccagactcta 180  
 aaaggtatgc atggtatgaa ctctgtttta gaggatttta gccacaatgt acaatggtac 240  
 aatccacaga ccaaacagg ctaaattaca aggaggacac aaggcacgat gcttgaaatc 300  
 cactcacag ggggaagtaa gtcttcacag gcagattgag ggaggcaact gtgtttctta 360  
 ccagtttgta tccttttatg tcttacgcgt tgactattcc acacaaagggt gttaccacat 420  
 tggtcacatt cacagggtcc ttctccagta tgtgttcttc aatgtatttg gagactatgg 480

tgatgtggaa aggctttacc acattgtcta cattcatagg gttagtctcc tgta 534

<210> 891

<211> 539

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171095

<400> 891

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tgctgtgtcc tcattgctgg ccaaatccca gcatgctagg ccgacttcca agcttctctc 180
tgtgtcctgc acagctgagc ttgaagcccc tgaggcctga catagggtaa acatcgaggc 240
ccccattcct cctcaccatt agatttggtta gttccaaggc ccagtgtggc gccacagaaa 300
atccactgtc agttcctggc ctgggtgagc ttggggaggc gtttctgtag aagatcccaa 360
gccttttcca cctggcgctg tgtgacatgt gattcccaca aggtgcacag aaccacgtgg 420
ctctgtctta ccagctgctg cccactcatc tggttctgca accggctttg agcggctgcc 480
tcactcagtc catcccttcc aacaatgcga cgtacagcct cagactcagg gatgacgac 539
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<210> 892

<211> 570

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171229

<400> 892

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tcatgatgtt aagtgaatgt tattttcttt gagaatatct cttttttcat taaaataatt 120
tctgaaccac tctatatgct cgaccttctg tctaacgctc agatatgggt ttttcgagag 180
gccacaggtc accagctcca tgaacaggcg aattggctct tgcttgggga aatcctccag 240
gtgcttctcc aaaaatatat gctcatggaa ctctgagcca tcatcgtaa gacctgcttc 300
attgttaact ggggaactccc agagagaagg tgctgcttct ggttcagggtg cttcgctctc 360
aaacgcctta acatcaaaaa tcgaaagtct tttccccttg aacaaacatt tctccttct 420
gaaatcagct ggcttctcct ggctaagcga actgtccact tcttcgtcaa actgaatctg 480
gtgctgtggc cttgaactaa ctctcatcga aggggatttg gcaattttca tattcgatat 540
tatttgagtg aagctaaccc tgcgcttctg 570
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<210> 893

<211> 575

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171231

<400> 893

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gcatagcact ccttgccaac aagccacagt ggctgtcag cctctacagt acagcggggg 120
catttacact atatacatc aaggagtcca cgtgacttcc attgaaatca catgacaagt 180
taccagatag ccgcgttgta cctactgcat ttgaaaatt tagacacctc atttaaagct 240
tttagtttga tatctgaact tgcgttgatg accaaccagt ctattgcaca tacaattaaa 300
acaagttatt ttcaatttta gtattatata caatgtcaat attgaatcct atgtacaagt 360
aatccgggga cctatatata atgtgaatcc atcaaaatgc agttaagaaa atttaggggg 420
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aatatatacg cttgaaccca agacccaatt ccaacatggt atacagctta tttacaaata 480  
 catatggaca atgtatgtac agtttaccat aaatattgaa aaatagggtta cctttaatgg 540  
 atcaatgctg ctctataaat aacagtacag ttatt 575

<210> 894  
 <211> 588  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI171262

<400> 894  
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 tttggaaaac acctcattgg gtgttgactt actaataaaa agtaagtcac cactgtttga 120  
 acataatata gaatacacaa taaattatat ttacatgcac tgaccagatt atcacacaca 180  
 aggtaaaaaa atacagtatt ttatgtacat tcttaaagat ttacattttc acatagggtt 240  
 ataaagttaa aaattctctg tacaaaatct tccgtgtaca gagtgtacac atcttcgtcc 300  
 ttatggctgt atcgccacac agaactgctt taaactagca ctacaacact ggagggtc 360  
 cttcatattc acatcttggc acccatgtac aacacatcat gaaatgtgaa ttataaaaca 420  
 attagaaagt aatcatgcag ctatcttaat acaagaaagt gagatgagct gatcagcact 480  
 tatcacctcc atttctgttc gtatctgtgc cacttcctgc tgtgtatgcc tattccactt 540  
 cctgttcgcg tttcacacag gtgcatgcaa aactagcaga ttatgaac 588

<210> 895  
 <211> 547  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI171263

<400> 895  
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 aggtggcctg tacacaccta caaccacagc gtggtctcgt tcataaggct ctagtgtcaa 180  
 ctgctcctga ggcttcatgt tctcttgctg catctttttc acttcagatg caaacacagc 240  
 ttctgctgag gctggggaat caatgcagtt ggccttaatg gaaatcacia agtgtcctcc 300  
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 atcggcaaaag atgacatcca ccattgcaat aagcatgcgg tatttgtgtg ggtgccgagc 420  
 attttcaatt acaggaataa tggttggtcct cttcttggcc aagttgatga ggtcacggcc 480  
 agagcgggtg gagaactcaa ctgcgtaaac cagaccatcc gggccaacaa tgtcagacac 540  
 gtgggaa 547

<210> 896  
 <211> 425  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI171305

<400> 896  
 aagcattcat gtaatttatt ttccttaaat aattcgctac aatcctgcca caaattaaaa 60  
 aaaaaattaa catggtattc acagagcaga attctttagg acaatcaaaa tcccagagta 120  
 cttagaataa attaacatca aattgggttt atattcagat agcctgattc tctcctctga 180  
 aatgaaatgg agaccattgt aacctagggt gaacgaacac acttggttctt ctgtatagac 240

atgaattctt tacataaact caacaataat ttgaatcaag ttaggaatcc tgagaaagtc 300  
 acccacctac aggccacgcg acatattgga aatgggtcac tgtgtgctct tccccggtct 360  
 cagtgtttgt aacaagcatt tttcgggaca cttaagcaat ggtacagtcc tttgcctgac 420  
 actgg 425

<210> 897  
 <211> 397  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI171319

<400> 897  
 gaacatgtta ctttttattt aaaagtgtta ctagccctgc ctggggctcc tatacaaaaa 60  
 caacacacaa cccaaatgag gctgcttccc gtctctagac tcggggacag tgttgggggt 120  
 tagcgagtgg aatgtgtgct gaaggagggc acccaggagg ctctacccc agtcctcagg 180  
 atggcaccag ctgtcccggt gcctttctat ttaccacaga ggaaggaaag gcagtctttt 240  
 gagatgtcga gtagaagtcg agcatggatg gcccttgagg gtcccacgaa gggtcatttg 300  
 ctcggtcatg gctgcagatg ttgcgagtgt cgccgcagcg acaaggatgg caccggatag 360  
 cttagggagc caagcaccgc agcggctgcc accgcga 397

<210> 898  
 <211> 531  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI171354

<400> 898  
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 atactgtaaa caatgggtta ttccctaaga caaatgcata cgtgattctc agcaatcatt 180  
 ggtttgatta ttagtaggtt acaaggtcac atctctgttg aatgtcagt accgctgtag 240  
 tgtgacaggc ttcagcgcatt cattgcacac actgcttcag aacagtcccc accgggtctg 300  
 gacccaggac gcaaagcacc ccctctgctt gaaacggcag catgaggttc aggtcaaggt 360  
 cttccaaatc ccggacacgt cagtccgttt ccaaacttct gagttatggc tctgcagcag 420  
 gtttagcata ttaaattcca agtgttctaa ctccctctat ttcaagtaac aatgaactct 480  
 tgagggtcaa actcttttagg ttttaactga aagtaaccaa actttagaaa g 531

<210> 899  
 <211> 632  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI171370

<400> 899  
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 acttccagag tggagtaaca tctgtgtgct actatgtctg gctctgattg gatccttcag 180  
 ctatctttga gtatcaggaa atttttctgc aaagagcttg gaaacaagca attttcaaac 240  
 aaagccagca gaggggggtt caaacagca tgcactgtct taaaatgtgc tcacagggac 300  
 agaataacag atacgattcc atgtgaagcc tctaacagta tatgttcac ttacacgtgt 360  
 ttggaaagaa tacagttaca tgaatctgta agaaaaatca caagtggaaa tgaaaatcat 420

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ttccaagcta tattaggcag aatacttcca cattaatata tattgatatt atcaaacagt 480
agcagctcat tgtatgattt atatttcaat cccacaatac ttttggtcat ttgacctgtg 540
gtatacttgc ctggggagct tttaaaatca aaatatttta attagatctt aatggaagaa 600
aaaccattta catgatttaa aggaaatcac ct 632

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<210> 900
<211> 496
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI171506

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<400> 900
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actttctcag cagcaggtac agtagctttt aaacagaatt cgtaaagaga ataatcacag 120
tgaaaacata aactgccaca gtaagtgaag caaacctgtc taggggtgaag ttcatacctaa 180
cttactactaa tctactccca tgagtctgtg ggctaaacaa aaatcacctt attctaagcg 240
tactgtgaat catcacaaaa gattctgact cttaaaaatc atgaaaactt caagatctta 300
ttaataaagt taaaaattct agctgttggt ttactgattg acttttggtct gtattttctg 360
gacttcttca ggccacgaat aacaatcagg taggatctgg tcataattag tgctgtacat 420
ctgggaggag acaaattctt ctttggtttg gggttcaaga taaacagtgg ccatcttttc 480
tttgtatgca tcttgc 496

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<210> 901
<211> 495
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI171583

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<220>
<221> misc_feature
<222> (1)..(495)
<223> n = a or c or g or t

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<400> 901
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gaggtgctga gaagcctcag ttcagtctct gaatgccagc tgcccaggag gggcgggcg 180
agggctcagg cagctgcagc agaggggtga gggacactgg agtccacagt gtcagcgccg 240
ccggcagaac ggttcttgtc aatcacttct cgaagtcctt tggcaaagtg gaggtcagcc 300
ccaacagtga cgaagcctgc atggttggtc accacctcat gcacgaagtt gataccctca 360
gggaggggga tctgcacccc acgccagata cgctcattca acanaggcat cactccgatt 420
tgcagcagcg tcttcagtgg ggcctgcagt gggatcagtg ccagagactc cagcgcagac 480
tgattggagt aaatt 495

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<210> 902
<211> 631
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI171587

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<400> 902

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atatatacaa caaatTTTTt attatgtact gaaaataaat tacaggaaat aactTTTaaa 60
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cagtgtctcaa ggaagataaa tatcacaacat atatcaaaac ttcaaactgt ctatgcattc 180
acacactgac atgagccaca gacattcctt tcacaggact gtacttatta gcctaccaca 240
gaaccagatt ttgccataaa ctacaaaact tTTaatacaa aattgtattt atatatttat 300
aattcatata catgccctac ctgtaatttt tagaaaataa aagctacaca ctgtacagac 360
actcttaact cacagctgta ggcaacattt ttggatggaa tttctcccc aataaaatta 420
atggcgtatt ttatgtacat gaaaggctaa actgcaaaga cagctcagtt tcccagataa 480
tgcattctccg ttcagggcag gtttacaacat ttaaaaaggc aagacaatgt acacctcaga 540
attaccttct cagctacgag ttgtcatgtg atttctgtga agtttctgat acatgcattt 600
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631

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<210> 903

<211> 515

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171611

<400> 903

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TTTTTTTTTT tgagagggtg tgtttattac gccgagcctt tgcactacgc atccacctac 60
agtcctgtaaa caaatacagt acatttggaa gtaggaggct agcccatcag aagtggcaga 120
gaaacaattc tgttcagaca gtgcaacctc accacagcgc cctccttagg ccagctgtga 180
aaaacaccag aaggcaggct taggccccag ggggtgatct ccagagattc atcagaaact 240
gccgtggaga ggagcaaggc aagagcttac ttagttacat tcacagggtga agcttctaata 300
ccaagtgtcc ctagcgccac aagaaacagc aatcagcagg tggttacaga attaggtaac 360
tcagagtaaa gcctctggcc gtccgagcaa atgaggaatt tgccctgttt catcatgggt 420
ggactatgat aagaacatca gctgacttca ggggggcac agtcaggaag ggtcgtttca 480
tcctggccac atgtccacgg gtccacagaa agcaa
515

```

<210> 904

<211> 708

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171630

<220>

<221> misc\_feature

<222> (1)..(708)

<223> n = a or c or g or t

<400> 904

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gaatctgaaa aataggcttt actttaacca gtggatttgt ctgacatcct atggcatacc 60
agatcacaaac caagttcaca aatacacata cacagcagtc ttctcattcc cttgtcttcc 120
aatggagaaa ctgggtggcg gcagcatcgc accatggatg ccaggagctc ttctgccagc 180
tctagcttca agtccggggc ctggggcaca gtcctaacac agcatggcca catgtgcaaa 240
ggcatcctca atacaataac cagcctggc gttcaaacc agacgttgct actaaccatt 300
gtgaggggat gacgtggagc tggactgcat actgaggcgg tgaggcctgg ccagtccggc 360
tccttctggg ctccagatga tgcagggtcc taccctgccc cacagaactg catgtccctg 420
cactgataga gaatggagac accttgacct aaatacgaga cctgtttcgt ccaacactgg 480
aattggcttt acactttctt acatccaaca gaccaatcac attctcgtgc ttcattgtgt 540
tcagcagccg cagctccctg taggtccttt tggcgtgaat gatggactga aacgggtctc 600
acagcttctt cactgccaca cgatgtccc tctntgtatc aaaagcagca cacaccgagc 660
cgtaggctcc cgagcccacc ggggacaggt tctgggtatc ctcgggca
708

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<210> 905  
 <211> 617  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI171646

<400> 905  
 gttaaaattt ttatattaaa aagtggcatg aacttttcat gtagaacaaa aatttaggga 60  
 aggcaaaact ggataaaacc attaaaactg aaatacagtg cttcaagtga atcccatcac 120  
 ctgggtgatgc tataagcagt ctctaagcca acaccagata ctagaaccac caatctttaa 180  
 aaaaaaacia aacaaaaaaa caaagaaagc agcagtctag ggccctccaa gcacttcatg 240  
 caagaataac tgcttgtaaa gcaacgggac ctgctccttc tctaagctcc ccttcttgaa 300  
 gcaggataac cctttttgca gggtaagtaa tcacagcact gaaacagagt gcctctcggc 360  
 atctagtgtg atcccaaaga atggcatgaa ggcaaaccac gcattgcctg cgactgcaat 420  
 gctgcccttg gaggtgact aaaatggagt taaaagtgtt aaagtgtgca ccacattgcc 480  
 agcaatggga tgtgtcataa tatcagatgt cagaagagtt aagctaatat ttctctttaa 540  
 agcacatctg aaatagaaaa atctttaata tacaccattt gtaaacaaaa ttgcacttga 600  
 ttttgaatcc tcgtgcc 617

<210> 906  
 <211> 684  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI171652

<400> 906  
 ggccataaca aacaaacaac atgaggttta atcaagcaca ggagaaaaaa cgatacatc 60  
 aacagatgtg gtatacagaa gatgaggctg ctgctggctt gttgttgaaa caccatgtga 120  
 gtatactctc ctatgaaagg taagtaggaa aatgacttgg aatattctga tctgtcttca 180  
 tacaggaata ttgatggaga gcaaaagagc ataatacaag gcagcagtc actctgaatg 240  
 gacctgctgt cctctggctg taggccagca agtagcactg ccatcttcta gcttaagaac 300  
 aaagctcagc agtctacggg aaataggcac ttacacaaaa gtttttaaaa caggagtttt 360  
 tgacacttga aggatttcat tccaaactct caattatata attacaaaaa aatccatgtt 420  
 tcacgaaaat atcctaacc taacataaaa ttcagatcac ttaccacaaa gttagacaaa 480  
 tgtataagga aacagaacag aaagcatatt tacaatttta gactacatga gacattgtga 540  
 agaatcttta acaacactct acgtactttt acaaaccaca tttaaaatga ggaatctgta 600  
 aatgatgtga gaaaggtcat agcgtgagaa ctctaacttt taaagtccaa agttatgttg 660  
 aagattttta aagtaatgat gaaa 684

<210> 907  
 <211> 502  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI171674

<400> 907  
 aagctgcttg gtttaatttt tttttagcac ttgaaaaaaa atgtacagta gtttgaattc 60  
 agtctttgca aacctctaca gaggtcaaag gtttcattca tccgtacaaa attagttaca 120  
 aatttatatt tggcaatttc atcttagtaa cccgttttat cctattgcca ttgtcccaac 180  
 cattgaaaaa gtttacaata atttacatag aaatatcttc aaagtgttta agaatagtga 240

```

ttgttctctg ggatatgtac aggtggccta tacagtatat gtacaggtgg gagtcactat 300
agcacaaggt tcattgctgg aatatggctt tctagggaaa gtgcatattt ggccagagat 360
ggcaatactg tctagggatt caagggttac agatacttgg taaccacatc caaagctgaa 420
gtagaacgtg gccaagaata ttacaaaag taatataaaa atgatcaagt acacaagctt 480
gatccacgaa aagatatctt ga 502

```

```

<210> 908
<211> 508
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI171684

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<220>
<221> misc_feature
<222> (1)..(508)
<223> n = a or c or g or t

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<400> 908
aaaatgtttc caaatTTaat taacagaata aatttacaac accatgaagc tcaccacact 60
acaaggcaga agagtagacc atgcctgaaa ccccccaaaa gaaaatgtta tgattgtgac 120
tcaccgctga cccatcatca gagacagggc ccagatgatg aggggtgatg tgatgggtgat 180
ggtgatagaa cagacacaaa ttcgagacaa taacgtgcag tctgcagaca cccactgtag 240
acagaaggag caggaaagag gaaatggaca gaaccgcgca ctgtggagac gaggtgaaag 300
ctggaggggg agggctgtgc ttcagataat acgtggtgaa caggaaaccc agagaggaag 360
gaatttcacg atcaaccgtt caataagaag gagaaagtaa gacctaacag tagcttcaag 420
atataaagta aaaacggaag aattagcttc ccagaataaa ttaacctctg gtcctctggg 480
cgcgggcggt cgngtagac tcggtca 508

```

```

<210> 909
<211> 452
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI171692

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<400> 909
gagggtccta ataacttaaa actttattag gaacagtagc aacatcctga ggtcacagga 60
gaagatgtag agaagccaca gaggcttggc aggggttaagg tggtagcggg cctgatattc 120
caccctttcc tgccccaggc agagaggcca gaaacaatca aaaccctaca ggcaacctac 180
agaggagtag gctgagaccc agaactggcc cccaacccaa tagtccagat ggacactggg 240
aaaggatggc ttcaaccccc aagacatggc ctcttttctg gaaacatgcg cagtcacaca 300
gctggggccct tcagtgccat cctgtgcta aggcatagct gaggcctgtg ttcgaggtgg 360
ggctgagggc agccttctca gggttggagc tctttccact tgcgcagtct ctaatccatg 420
gcctggaatg tggccttgct cttgacaaaa ca 452

```

```

<210> 910
<211> 471
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI171726

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<400> 910

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acttgagctc catagtatat tttttttctc attaaagggtt caaaacccaaa agcgggtttct 60
ctttgcagca aatatacatt aaaatagagt ctctgtacag ccaagggctc tgggccctgg 120
cttgcccat ggccctgcgc ctccctggcc aaacccaaaa ataatatag tgttattgct 180
ctgcagggcg tagaggcagt gctgtccccc atcccttgag gtgggagctg atagggggcc 240
ctggccaccc caggggtcca ggggctggag cctgcttgga gttattgctt caaggggggg 300
cactaatgcc caatgcaatg aggagaggag cgaaggggca gggcctttgc tttccaagcc 360
cccctctgct ctggagagga ggtcggagta agcagcagca aaagcatcac ccactgggag 420
actgtggtct ccatccctt ccctccctga gatcagtttt tgccctctac a 471

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<210> 911

<211> 431

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171727

<400> 911

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gaagtgaacc agcaagcctt taatggggat cacaggacgt cattcagatc ccaccggctt 60
tcgccccaca agggagaaga gtccttcatt attggatgtg gtagaagagt aactttgaga 120
aatcacctcg aactgctcga tgggtgacct agcctcttcc acggcatctc gaacagcctc 180
ccggtccagg gaaaggctgg aaaacttctg tcccccaatc atgtagtagc tactcttaag 240
agcgtccacc atcaccagga agccccctgg cttgagcagg ctgccagggt tcctgagggc 300
agtgcgatag gccgggagggt cagggcaggc agcatccagg cacagtgtgc tgagcaggca 360
gtcggcagga ggcagagaga cccacccag aggctggctc tggctcacat cgcacttcag 420
cacctgcttg a 431

```

<210> 912

<211> 573

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171745

<400> 912

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gaggtcagaa acaagcttta tttacacagg gataataaag atatcaactc gaatattcaa 60
taatttagct ttgggttggc tacaagttca tgccgcacca atcctgtttt acagtagttt 120
aagactacac ttggtatttt cccttggttc tgttattctt gaaacttgta aagattcaaa 180
atactgtaga gcttgttgaa cagcaacata aatgagacaa tgtactcaga ggtcagtctc 240
tcacaaaaaa tacgttatat ccaagttctg ttagggcgcc agccagtaag gcccataaag 300
gaatgaagac ataggagaga ttgatggtag taaagtgttc cagtttagca cacagtgcga 360
ggcagaaggc taacttcagt aacattgcga tgaggtagca ggctttcttt ttaattattgt 420
gtgatccatg tcgggggtcg aagccagact tacaccgtcc agccattttc acaatcagca 480
tgacgagaag gatagtgtca aatatccaga ctggaataaa tatgaggaac cagttccagg 540
gtgccttctc atccagtttc aacaccaaca tga 573

```

<210> 913

<211> 667

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171772

<400> 913

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gtgggtggcgc atgactttaa taccacttag gaagcagagg cagatgatct gggagttcaa 60

```

```

agccagctgg tttacacagt gagttcctgg acagccaagg ctacacaggt tgtcccaaaa 120
aattaaaaaa ataaaaggta caacttgtca tctcaagtct taggatttta gcttctgtca 180
aaatgtcaat acatgaacaa actacccag caggaacaca gagcgtgcgg tgagccagcc 240
atacaaaatg aataaatgac tattgtcaga cagatacgat tataaaacaa ttctacaaaa 300
taccttcttc aaatttcatt ttaagatgag gaaaaaataa atctgtcatt ttatttaaca 360
ttcattctga agttacagtt ttatcaatac aatctgcttc taatgaaatc ttagtataat 420
cctaaaagca tgcatttata tacagtaatt tctacattcc taaataaatt acatacatga 480
tatatattaa acaataaaga atagcaatctt gagaattcag gacatttatt tttctgcatg 540
ggggttaact actgtggagc acacacggca attgcttact aagtagtgag acactaaata 600
ggcatactct ttttaggcga caaaatattt tcagtcctta acatctcact cacctagcac 660
cagatgc

```

<210> 914

<211> 534

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171795

<400> 914

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aatgtaactg aaaaccctaa tttaaatttg attttatttt aatgatatgt ccaaaagtta 60
acaaattaca attaaaacgg aatttgttat ggtaattcca cagaacttaa aaacatgcaa 120
cactgcatgg taaaaacagc ttcattcatt tacaaaaaat attcctttga aactcataac 180
agtgcctgga aatttttgac ataagctttt tgcaaagaat attttaaaaa atgtaaagat 240
tcgattaacc aattagtgcg gtattaggaa agataataaa cattattagt aaagaggtta 300
cagtgattta taccagggtt agacagggtt caatgtagtc tcattaaata aatgttcagt 360
taagaaaata gttttgaaaa aaatcttata ttgaagccat gttttaattt tgttgaatca 420
gcttatataa atcaagtcaa gtttattcag ttaaagaaaa taggactatg ctttcttata 480
ctcataaata gtacgtatat atagcctatt tacaagtaaa gaaaagttct ttgt 534

```

<210> 915

<211> 653

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171948

<400> 915

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caggtacttt attgctcacc tctcacacaa acacacctcc agctactttc tttcacagct 60
tgacagtgtt tacatgtaca aaaaccgggc agaagcatcg agtgacttca gtatagacgt 120
ggaggggtgac tcagccaggc ttctgtcttc tgcagcaata atgaagggcc tcctgcactg 180
agcaggactc gatctcactt cgtagtgcac ttccgtcaca agaagggctc cttgtgtaaa 240
gcaagccaac ttgtatttgt aactagtgcg taaaacacat gtctgctcac ctttcttct 300
agcgaatttc aagtaaaaaa aaggttgaag gagggacttt tgtcttgat ggatgcaggt 360
ctgtttgagt tgctatactt aactaagtgc ctacaggtag tacgggtcac aacttagttt 420
gcttttgctg tgttcattga tttggcctg ttcgtggatt ttggaggagc atatgggata 480
gtattccacc cacaggataa ggctactgaa tgtgctatct gcaaaagagc tcacgtaata 540
ggaaccaacc caacaggctc accagaaaga aaggtagcga aatttctctg gacaaaatgc 600
caatcaaggc agagctatgc tgggagaata gtttacgaaa acacacatgg gtt 653

```

<210> 916

<211> 589

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI171990

<400> 916

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accattctcc atgtttattg tgattccaat gccacgcagg acacacacca ccactggcta 60
ggatgagaga cagcagacag tgtttatagg tgcatatata taacttatcc ctatgtacac 120
acacagagta gacattacac atgaagaatc aggagggtag actgctggaa ttaggctgcg 180
gtcagttttc tctgccactg acattgagaa ggcggagatg aagctctgag aagatgcagc 240
ctcagaaccg ttacggcatg cgagtcactt cggagtcctc ggtccacact cctctgtgtt 300
tggcactctc aggccctggc acctggcctg aactcttcag ggctcccagt cactggcctg 360
tctctgaaaa gagtggggag gttggaggcc aggcctctct ccctaccgtg cctccctttt 420
tcacagtcag cactccaaac agtgggttct gcctcccctg gggcaccag accctcagct 480
ccattgtccc cacaggagct cgctgggaca cccagaccgg agtcattgct gaagcaaagc 540
tgaaggatct gaccccagtc atgcccgta tcttcatcaa ggccattcc 589
```

<210> 917

<211> 647

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI172041

<400> 917

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atctttaatt ttccattttt attttaagcg atcacctaca ttttagtgat taaatttaag 60
agatatgtac ccattaatca gatttattat caattcaatt tgaaggcaat tttcaacctt 120
taataagtta tattcatatc tgagattggt taagctttct catggagaaa aagaaaccag 180
gcagcagcta gagctgcaac ccaagttttc ttctgctcat ccttaggcag ttgtactgtg 240
tggaccgagt gactggggcc aggtcttctt tctatgaaac agagtcttac tgtgcagccc 300
tcgctggcct agaactcact gtgtagaccg gctgctgcct cctaagatct gagactgaag 360
gtgtggactg cgggtggcctg gctgcccagc tgcccagcct ctaagttaag ggttgtggtc 420
tttccaccac tgctcgatcc actttgagat ttggttgata ttgtcctcta gctgctctgg 480
ctcgttactg ggcagctgat gcacaatttc ttctttgtaa gatgccatgg cttcttcata 540
gagaacttga aaaatctcac actgaatatt atcttgtagt ttcttctcgt gataaccctt 600
tgtttcaagt cgtttgtaca atataccatt gtctgtcctt aacacga 647
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<210> 918

<211> 647

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI172056

<400> 918

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gggggggaaa aggtttattt tttctcaga agaaacagac tggggaacat ttacaaccca 60
cattaacttg cagttggtcc taaccctttc gggaacaggt gttaaatgt taggtgctct 120
acggaatgaa ggtgttcacc ccagacagaa tgtacatgga cgatgcttga agactgcagt 180
ttttttccct gagagacgtg taagacaaac agaatttgct gagagccatc tttccaaaca 240
ggaagcataa caagccaaca tgtaaaggaa ggagaagcca aggttaattc aataagacag 300
gtgagacacc tagaaagacc aatacaaaaa ttccaaacaa agcttggcag tcattagtag 360
aaaagaaata catatttggt ttattgacac caggcttaaa cttgtgttaa acaagtaaag 420
cctgtgaata gcaccgtggg aaagattagt ctgctttccc aaagcatttt acaatttagt 480
aagtcaacag gggatcaaat gtcttacatc tacctgtgat ccttaaatat agaaacagat 540
tggataatta accctgcata gttataactc ggatttggtc tactacaacc agtccacaca 600
cacaactggc tctgcatata cactagaact gatcatgaca aagtttt 647
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<210> 919  
 <211> 660  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI172057

<400> 919  
 aagtggaact ttctctttat gacagatcag cataagcacc ctgcggagta tttcttataa 60  
 aacagtataa cagtgatgca gaatgatctc acaaagccat cttcggacct gacatccggg 120  
 ctatagccta agagccttta gcaagtgacc gatcaatcac aacattacta tgatgctcat 180  
 tatttaccag gtaaacctga aataaatcaa caaaataaaa caaggacaaa atccaagatc 240  
 tgccaaacga cgactgtgtt tagtaatggg aaaaacactg aatctgagcc ggtccatctg 300  
 aattcttgtc tttgtccttg gatggatgat ctgagaggac agccttggtt aagtctttca 360  
 gtttaaattg acagagctgc ttttatgggt gtgtacagtc tttttctaac aacgcaaact 420  
 tggcaaccaa ttcgacctgc atataccata taactcctgt gccctgtgtc atctcagtcc 480  
 tcaaattaac aaacatcgtg tggttcctta ccagacacaa actcgagaga catggtttca 540  
 tgacagatta caaagtcacg gaagtcgaa gaaatatgag ttgacctcag acatccttct 600  
 tggtgaaaca atgcaaggac ttacggagag aaacaagcga gttcatacat taattacacc 660

<210> 920  
 <211> 630  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI172075

<400> 920  
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 atatatcact gcagccgtga ttccacatca aaccttatca gtaagaatag atttattctt 120  
 cacatcttgt gctggacctg gcataggaca cctccctcca ccagggccat aaaggccaag 180  
 gccaggagtg agcaagtgcc ctgggtgaaga ggggtaagtg ccaggctccc tctagccct 240  
 gcagaacaga tcagggcaag accttgccct tcacagccac tgggacacaa cactgaccaa 300  
 ggggtgtctc tggatggcag agtggacagg agtaaaactg caagacagca ggtcctcctg 360  
 tctttttcaa ggtccctgaa atccccaagg gagatttaac agtccctaca gcaggggccc 420  
 agcctttgct ttgtttgctg gagtggggat tctgcaaagg acagctcact ctgaacacaa 480  
 agtagccata ggacactttc ctatattcag tgtggcaagg gacaactgga ggggtgctact 540  
 gactcctggt aaggcacttg taacagaaca taggtgcaca ggcagcagaa ggttaatcat 600  
 cacgggagat cagtggcagt ggtgctggct 630

<210> 921  
 <211> 585  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI172107

<400> 921  
 ggggataaag gtcttttattc gacaagatta tcttactcag taacaaaaca gcaggaggta 60  
 acaattcccc caaagatctg gaacagtatc tgcccctggc aggggcagta cagcctgcta 120  
 aaaaaagtca gctgcagcca gggctctctag tgtcagccat ttttcaaaga ttgtagttgg 180  
 ggttctttcg aagaatgaca aagccttcca gaattggggg gacagggaga aactcctcag 240  
 tggccagctc cgcccgttcc ccatgggcca acagcactgg agttgtgtga gtctggaacc 300

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ccgtgatcgt tttgggcttc ccagcctggc ccaccacatc cactgcctga cccacgcgga 360
cagaaactgg caatggtcgc aactcctcat caaatgtaac cagcatccga ggctgcatgg 420
cggccaccag cccatacagt acatagttag atttccctag aatgatgttt cgcacatcca 480
ggaaagaaac aagcacggtg agcagcccg ccacagccac ttgactcatg agctgccggt 540
cactgtggta ggggcagagg gtaagtgtgc ccttccttaa atgtg 585

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<210> 922

<211> 696

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI172189

<400> 922

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actaaagtac ttagtttaat gaatttgttt ttaacacaaa tgaaaaacaa gattcttacc 60
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<210> 923

<211> 607

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI172274

<400> 923

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<210> 924

<211> 668

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI172281

<400> 924  
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tggtttaaga cacatgcaag tattaacaa tattctaaat acaatatgag aggaacagtt 240  
aaagaccctg aaatcatgat ctgtctctca gaaataggat gtttaacagt tctgtgttca 300  
caaatggcat ggattcttta tttctaaaga atgttataga aagaattata gcaccatcat 360  
taaaagtaat aatttttagcc ctgcctatct ccagtcttgg aatatcaaca gaagcatagt 420  
acctttcaac acctaaaaag aataaaciaa aacaggaaat ccatcccaac ttgtagagat 480  
gaggtagctc atgctaaaaa ctggtgggtc atattttctt atgaatgttc taattttatt 540  
tgagtgatca tcaaaactct gggcttctcg atcttttctt tgtgatagct tcaggaaatg 600  
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tgggcaac 668

<210> 925  
<211> 634  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI172285

<400> 925  
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gttaattccg gcaagagtct tgccaatctg tttgaaagtc acccctgacc tcatttcagt 180  
agacgtgcac catgccatag aggaatgtcc aaaagaggac gtaggtgaag aggcctccaa 240  
tgaggcctcc tgtaaagaga ggtcttctgt acttgaagta tttgttccac ctcttccccg 300  
ctttgagaat taggagcagg gagagcagga cggaggcaag caggtagaag atgaagccgt 360  
agagaccggg gaggccgagg atgccggctg tggccccga cagcgctgac actgagggtcc 420  
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cttcccgttt ggccaccacc gcggccatcg catccgcccg ggctccgctt ctgccttctc 540  
gcggactcac gcggaactgg aatgtagcgg cacgcagtc ctcgtgttcc gtcagacagg 600  
aaaaagcgga gagtccagcg ccgcccctcg tgcc 634

<210> 926  
<211> 730  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI172302

<400> 926  
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gaaggtaact aagaccaga cagtatgagt cctgggtgac ctgctaaagt gctttctctc 180  
cctggtctct gtttggtcct aagaatcaat ccagcaccac aatacacttt attcctttca 240  
atctcattct ctgggacact cagtgggtgg ggaagctggg gacctacta ttgagctggg 300  
aagacagagg cttgaaaatg acaagcgtag caagtgccac ctacccctgc tgcttccgtt 360  
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ttctaggttt taagaacctt acttaaaggc tgacttgccc cctctgtgtg cttatcaata 540  
aacttggtgaa cgggagtgct tatgtgtggg agtgagaaat tctgtctctt gtccaccaag 600  
attcatctgt gatgaaagat ggccccacgt tctttatagt tctccatt gagagctggg 660  
tccacttgca cccctggaat ctaaggaatg aactgaccag tggagacaca gtccatgacac 720  
cggggcttga 730

<210> 927  
 <211> 624  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI172328

<400> 927  
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 actggcaaga atcttacatg tataacaggg agttgggtag ataacatcaa atacatccac 120  
 aacaaaatta ttcttttgag ccgggggtctc ctgtagcctg agttgggtgca gaacttctga 180  
 ctttattttcc aaagtgctag gcttacaggc aggaatcgcc atgccttatt taggagaaaa 240  
 ccattataaa atttcaaaga acacttgagg aacaaggtag acaacaatgc ttattatgta 300  
 attttgtatc actgtaacga aaacatcttg ttcagtggat ttaaaaagac ctgctttaag 360  
 tgtattcact caatgcaaaa aaaaattaaa taaaatttac agtattataa tttgaatagg 420  
 tgccaaatgt cctgttcctt ttctccaatc aggaagagaa aattcttttc caaatcactt 480  
 gaagcttgga caaccccccc ccccccaac attctgtagc atcccaggca gacttcagcc 540  
 cttcagagag gacatcccag ctctcatgat ctctgcaacc aggagaatgt tgggtggcgat 600  
 cacagtacag gagtgaagca gctg 624

<210> 928  
 <211> 567  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI172405

<400> 928  
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 cctattgatg gagtagttcc atttataaag ttttatacat cagaaaagctt tgaatttgac 180  
 caggctgtcc attaatcatc tctgaaaaag tggcatttca ttttagctct attttacagc 240  
 attaaaaagc ttatgcatca ggctcgcttc cgaaacattg ttctctgcac aatggcgctg 300  
 ggcagacagc tcttcatcca cccaggctcag agtcacgtct gagagtttct gctacatacc 360  
 cgtgacagcc cacctcaccg actgctcacc ctgacagaca gccaccttc tcggtcagtt 420  
 cacactgccg gttcacacca gcagttgtcc tttgtagatg gcattagagt atcaggctcag 480  
 tgacagtggg agcagggtgct gccatgagat ccaggtaact aaaggccctt attttttttt 540  
 tttaaaaaaa tgccaaatgt gagataa 567

<210> 929  
 <211> 651  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI172417

<400> 929  
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 ttataaatca tgcttgctcc agttctacaa ggacccacc acagtctttg ggatggagga 180  
 aaatcacggg tttcccatgt gccctatatt tggcctcatc actcagactg cggatcttct 240  
 gtttcttcag atccatcaca gctgcattta tgttgtccac ctcgatgcag acgtgatgca 300  
 ttctctcagc cttgttcttc tgcaggaagc ctgcgatcgg actatcactc cccagtggat 360

gaagcagttc catcttcgta tttcccaggt tgacaaaaac cacagatact ccatgttccg 420  
gaagaggac cgcctcactc acctggggccc ctagaacatc cctgtaaaat gacgaggcct 480  
tttccaaatc tggtagtgct atggccacat gattgagtcg acccagcttc cacacaggac 540  
tggatgcttg atgctgggac ggtgatgtgg aaaaacttct ccctgctgca actggagtct 600  
ggactctgga gaaaagccct gtagcgcctg cagccaacgc agcggccttt a 651

<210> 930

<211> 534

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI172471

<400> 930

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gaggctacct gaggggaagg aagcacaaaa ggaacccgct gcagactcag ggcaaaggga 180  
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gctccaggca cacaggcgta gggcaagagg gttggacacg aagccacaaa gctacttggg 300  
ttcctccttc ttctcgtttg cttttttctg cttctgctgc atgatctccg agtccctctg 360  
cttgcgggcg gcagcagaaa gcccatcatc tcggcgcttt cccttaaccg agtcgctctg 420  
cttcttcattg ttcttctggc gggcgagctc tcgctgggta ccgcgggtca tggcgacggc 480  
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<210> 931

<211> 606

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI172491

<400> 931

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tgagggaat tgctcacatg ctttaaaaaa catctccatc atatatatat atatgtaaaa 180  
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catccagctt ccctcgatgc tccaaacccc gtgtccaggc aaagatgctg gcaatagggt 540  
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<210> 932

<211> 649

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175033

<400> 932

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catgaaaatg gcaaacagca caaaatacga ttgaggtata agctaagagc acagtatgtc 120



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atgtttcaat aaatataatc caaaatttgt aaactaagta accagataga tgagtcattt 180
tttctagtaa aaccatataa aatatttatt tcatgtgagg tagaggacag ttttgtgtgt 240
cgtgtaatgc aaccaaccac agcaatttta atcataaaac tatatgcact ggcaaaatta 300
tcaatcgagt tatgctcaat gtacctaatg tgtttccgta gttgcagaag ggaccattca 360
catactgcct tcccagggtta gaaactgcgg ggtaattgaa ctattacact gccttaaaat 420
tactacggga agtccttcca gcagaaaagc taatggtgac tacatgtatc acaaactcac 480
aactcaaaag gtgtcctaga tttagcaatt attctaattg ggtgttctca tgagaattac 540
tttaatgtgc tgtgtcttct ttattttcaa gtgaggtatc ttatattgaa gaaaaaatct 600
tataaatttc ttttatacta aactaacttt aaacactatt tcggtttct 649

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<210> 933

<211> 437

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175294

<400> 933

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ctttacaaga gactttgaca ttgtagtgtt agttcatcgc tgcccactga acgatccccg 180
tgtgcatcgt ctttgtcttt ggtgtcactg gtaccaataa acacagttca cggctttaaa 240
acctaatac actaactagg aaaaagtaaa tcaacgtcac ctttttcaaa attaaatata 300
aggactaatt tttgtctcat ggtccacaat acctggaaca tcatgccaaa atattaaggg 360
ttaaaggga cattattctt ctctaattgc accaaaatgt ggctactgta tgctggtgtg 420
atgacaacca gtgggca 437

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<210> 934

<211> 450

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175338

<400> 934

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ataactcaaa tggtactcag tgatgtggta gttttttgtt tttttttttt tctgtcactg 120
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gggcgtctcc aactgctgtc atagctggct ggtcactctg gcctgtgagt cccagggtgc 360
cagtcctggg tatcaacaaa gaaaacaggg tcttttctaa agcccaacct gggatccct 420
caggtcttca gttctgcca attacatgga 450

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<210> 935

<211> 512

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175423

<400> 935

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cacactttgt ttgcatctct cagtcctct gtctgcagag gaccattcag tgaatgcata 120

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caggctataa ttattgaaaa tagagtgcag tgaaatgagt taaatataat ttaggcacac 180
attgattatg aaaataggta tctctcaata caatacttct ctgtcttggg aaaaataata 240
acacaaagaa aataattcat tttcaaaatt gctttccttt ccctgtaaag gggcgctctc 300
ctccccgtgt aagcccttta ctgtgaagga aagctttgca tatgtagata taagaataag 360
ctacagagta atgaagacaa gccactctcc tgaaggagac aaggatcatct gtaaggattc 420
attgectcaa gctgaccagc ctgtaggatt gagaacccat ttggacacag cttcttccct 480
gctcttggga aacacataag gacactggga ca 512

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<210> 936

<211> 665

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175475

<400> 936

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caagaactcc ccatttacca aggagaggct gtttctgct agcactgtct ctgctgtacg 180
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gggagaatat aaggttacac acgtcaaaaa cacataggac attaataaat ggcacctgga 300
caataggcct aacattatca aatttttttc aaatgataag ggggtggagg gactgctacc 360
caaagaaagt tcctcagtca cagtagcatt tagagagatc ttacatcaaa agcacaaggg 420
accagtaaat atctactatc cctggcgtaa gtttctcctg gttcttcttg ttgctaaatg 480
gtgacgttct gcctttcacc tgtcttagct atcatttcaa ttaaaaaggg aaactaaaaa 540
atggtagaag aggacgagga gatggtgaaa aacaaccctg ttcagacaaa gataaaaaata 600
caaatcaga tgtagcacia tataatagaa actggctgaa aacagtacac gctaacagac 660
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<210> 937

<211> 644

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175486

<400> 937

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acgttgttct gctgtgcttt gtctaaatga acttttatga gccggctgcc atccagtttc 180
acacggatcc tcttgccac aatttcactt ggggaagacca aatcctcaag gatggcgctcg 240
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cgggttggtc tgggcagaat cctcctctga gcaatgaaga ctacgtgttt cccactgaac 360
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gtgatgttga gttccgcag ctgcgccttc agatccgagt tcatctccag ctcgagcagc 540
gcctgagaga tgccagactc gaactcgccc ggcttctcgc cattgggctt cacaatcttg 600
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<210> 938

<211> 597

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175508

<400> 938

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atcacaagcc ctggctggca cctccaacc caacacacct tgtcccttc accctcacag 180
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tcccagtgga cagtgggata gaaaagccag cccaatccac agcaaggagg cagtgtgggc 300
tggcaaggag ccaaactctg gtcaggaaaa aacaaatgat gtaaaaatat gtgaatattt 360
tctatcatag aatgaaaaac tgatctgcat ctaaaagtgc aagaggcgag gtgactgagc 420
ccttcaccag acgccgcgga agtgcacagg ccgtgggtta acttggtgaa ggaggctagg 480
gtgtgtttac gctgacatag aaaattataa attacactga attagtatcc ataatacta 540
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<210> 939

<211> 620

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175513

<400> 939

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cccatttaaa aaggcaacac atagcataca aaaacctata ctaaacaat aagctataat 180
atggatacat gattgatgtg tctaaaatga tatatataca gtacataatt gttaattatg 240
tgatcagtag attgttctac atgattcctt catgcttcac tttcccaga aactgaattc 300
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atcacaaatt tggtaaaccc gtgacataaa aatgtttcat tttcatattc atcaaatatc 420
tgccggtgat gaaaataggc atgtgagaat attctgtaaa tcctacggca cactgatcct 480
agttttgcta cagatgattc ttttatgcta accctgctgg gaaaatattt attgctattc 540
agaagacatg cagcaccatc cagtgtgtgt cttgtataat ctatggcagg acactctttt 600
ggagttttat gagctgcaca 620
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<210> 940

<211> 563

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175566

<400> 940

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ggtactgcct gccttggatg acagggtggc gctcatctgc ctagtgtccg tcgtgtgggt 180
cctgtggcca gggctatttg gtttatttct ctacattttg ggagtgcctc agaacaactt 240
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aggaacttgc ggtgtgtaac ccagcaccat tcttctgcat gatcacacag gtcacaatgt 480
atttaaatgg tttccccagt ttggtgagtt ggctcaaagt ctgttctaca acattagtgg 540
tccactgggt gactttgctg tgc 563
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<210> 941

<211> 605

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175590

<400> 941

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atttttaagc aagtttacat ttcttttggc tatggttctg aacaattcat ctcatgatat 180
cttatcacia tgtgcaaagc catttcacag cacctgtgac aatcatcaag ttaactctta 240
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atggtacatc tcagcatcgc acaaggccac cagtcacccg ccctcacagg aatcgaaaaa 360
gttagttgga aataagtcca cataagaatt taatatctaa aagggtgaaat gctccttgta 420
ttaatgtagg caagatcttt actttttcat cactaagaaa cactttaata gtttttagagc 480
aaaagctggt aaagagtcta gggagctaaa accgtacccc tgagggtcaag cttacagata 540
aatcttttgt aagtacttct caaaatatcc tccctcccat ccccaaattc tgtattgttt 600
cttac                                             605
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<210> 942

<211> 446

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175635

<400> 942

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aacatttttt aagtacattt caataggatt aatcattatc acagtctttt aatgtcaatg 120
aaaagaatga cttatggctt aaaatagatt tttttttaac ctgacaagaa aaatgcagca 180
gacataaaat ctgagaggag aaaatgaggt acatgtagcc aggtgttctc agtgctttta 240
tacttcattt tcaaaagtaa acacagtact aatcatcaat tcaattccag tgaataacaa 300
cctaaaactg tattaattaa tcggtgttga agtccaaaac caaatgacct ttcaacagta 360
ttaccaagta ggtaagtcca cgctagaagc taattacaat gtgaattctg accaaactaa 420
agtggttctg ttacatgatg gcacta                                             446
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<210> 943

<211> 464

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175675

<400> 943

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acatacaagc atttacaaaa aaggggtcgg tgggatcata agaaaaagcc cattgtttct 120
cgggtggtttc agtgatagtc cagatgggaa gtcttcacat aagtgaggcc cacacggccc 180
caggaacgac taggtgttct gacaccagc gcacacagca aggaaatgca tcaattttat 240
ttacagttca gaagctactt aaatagtctg gccaggacag aagcctggga ttcaaatcag 300
cccttatccc tcctcatgcc cacagtcagc ccaacactgc ctccgttctt tgggccagca 360
caggcaggtg ccacctttgc tgcaatgggc acctggagta gctcagacgc ttgaccactc 420
cagcccagac aagagttggg tccagccctt ctgggagttc atct                                             464
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<210> 944

<211> 506

<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175790

<400> 944

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caaaaagaga atcttttaaat aaaaattatc cataaaaatc ctaataaatt tcaaagaaca 60
agatattcct tagtacattt ataaaagaac gtctgggtcct tttaaaaaa tctctcattt 120
aatttaaatt cagttcatat ttacagatta aacatgaaat atctatgggc gccaaagcata 180
ttgcacatca cagagagaga gagaaacatt tgtgcatctc agtaagtttg ccagagagtgt 240
ccaactctag acttttttatt ttgtagaacac acatttactt tttgtgcgtg taataaataa 300
aaacgcagct tgtgggatgc tacttaacac taaaacaaaa tatcctgaaa aatattattt 360
gtttccctct cagagagaga gaagcagtga aacagtttca cagggtacttg atatctgttg 420
gttattcgca tccaaattca agggggacct taacctgagc cccactgagt cacagccaca 480
aggcccacac ccattattgg ctccaa 506
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<210> 945

<211> 573

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175812

<400> 945

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ctcagaaatt tactttattt ggtgagcaac aggatataag aacaatggta agttataaag 60
gacaggaaca aatcagtgaa aactggtaca gattttgcaa aactaaatga cttcttctca 120
gcctgcaagt gtgtgggccc acataaagaa ggaacttatt tatgacatta aatgcacaag 180
aaaaatatgg gatagttaac agttcgtttg gctgaggaaa aatgtcattt cttgcatcct 240
gctgcttgct agtggaattg gaccaaaggc ggtagttaag gaaggaataa atactaaaga 300
atgtgctaaa caaatggcca gcacagagtt ttcatttggt ccttggaagg cccaagctga 360
aacgcaaagt catctatgat cacaagcaca gtaaacttca ggagaggtct gcaggagcaa 420
gaaaatcaag cttgaaactt ctgatttgcc aacgaagaga aagaacatga cgttttcagg 480
gagaaccaac ctcaacaagt cgaatcgtgg ctgtagggga gagtgagggt ttgcagctag 540
agactttaaa gaacagtgtg tgattaacca tgc 573
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<210> 946

<211> 382

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI175833

<400> 946

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gaagagaagc agggacaggc tcctctgcct gttgaggctg ggctgggcag acaccacaca 60
gggactgggg atagggaggg gaggcacagg agacagctcc caactgcgtg aacttgggtcc 120
cacgtttgtc ctggttgggt ccagggaggg cctgcccagg gatggtggca ccaagaacca 180
gggcagaggc atcagcagca caccacaggc ctcctttggg tgggtcacca ggatggggat 240
ggcagacaag gcaaggacgg ggagaccaca tgctcatgca gacagggagt taagagttag 300
cgacggcccc cagtacacgt tccacatgtt aaggcatcat ggtagacag tgactgacag 360
tgatggatga cctgcccatt ga 382
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<210> 947

<211> 523

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175871

<400> 947

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taaactgaaa ggaatgacgc cagtgtctgac gaagagacag acgaaggatg catgtcactc 120
tggctccatt aataccagga ggtccaacaa acgttctact gtgagattcg tctcgcgggc 180
tgtctccatt tctactcttta ctgcaattga gtgactcact gtgctgtctc tgtgccgctt 240
ttctcttgac ctacaaacat ctgagccagg tttcaataaa cttagaacga agcctgcttt 300
tcatcccaaa ttgtaaacag gaataaagct ttttaaacct tatcttaaat ttcaactctg 360
ttgaatcctg ctttgtgata ggacaatctg ttttctacta acaagaatct gtgtaggagc 420
atgaacatcc tgtatgttgg aaccgcaaat cgacatcgta catgtctact gatggacagt 480
tgctctggga catattccat gattttattg atactttcaa aaa 523
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<210> 948

<211> 621

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI175997

<400> 948

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gaggcacaaa aataagcctt ccaagtattt ttggttgaac ttgtctcttg agattgtcag 120
actagaacat atacatacag acatacatag agaaagttat gattaaaaat ctaatacacc 180
ttaattttta atgtattgca gataaaactg taaagaaaca agaaagaaca ttatagagaa 240
ttaaaatata tatcaagaag ttcttcctga acgtgagaat tgaaagaccg tggggacgag 300
ccatctatta ttagggaaac tttagcagaa ggaaatacct ctccacctgg agtggatcgc 360
catggtctca ttctgaggct aggacactga atgcatgggt gtctgaagct tcttcataat 420
tcacaattga ggaaatatta cagatattta ttactgaaga ttatttaata ctgccagggg 480
gtacaagaat acatacatag aggtataaat atacacatgc atatatactg tggatgtgaa 540
ggtgcatgtg tggttgctca aatgtgtggg cacatgaaca tttgtgtttg catgcatctt 600
gagctcaaag gatggatagc c 621
```

<210> 949

<211> 574

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176002

<400> 949

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aggaatcaat caaaagtttt gtcatttatt taaaaaaaaat aaaaaataaa aggggtttaaa 60
agcttcaatt agttccagca acaccagtc cccaaatgcc caggcaaggg ccctgtcttt 120
ggccagaagg cattgggagg aagaaggaag tctctgggtc aacctcagc acggccaggg 180
gaccttctgg ctgtagcaca gtgaaggcag ggacaccagg cttaaagatg ccccttttct 240
gccatgctat tttctccact gtatctccta gcagactggg gtggtcaatg ccaagagagg 300
agactccaca caccactggc tttctgatga tgttggtgca gtcaaaagcc ccaccaatgc 360
ccacttccac cacggccagg tccaccttct cttggaggaa gacatggaaa gccatgagtg 420
tgaggaagcg gaagtaagag ggcattggaa tgtggctgtc atccttgaat tcctccagct 480
gctgatagaa gtgccagaag tacttggtta agagtccggg gctgatgggc ttcccgttga 540
ttcgaatccg ctcacgcacc tgcaccaggt gggg 574
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<210> 950  
<211> 549  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI176031

<400> 950  
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tagtaacatg catgctgctt ttggtagagg atcagaagtg gggtttgggt ttgggcagca 120  
tcagagtggg gaacacattt gtagaaggaa gaatatgaag gggtagctat aggagcagct 180  
gccaaaaatg gggatccccg tttcccttca ccccatgttt cctggatcct ttcctttctc 240  
ctttaaatta aaagactttc ttgagacagc ttgggtcaga ggttggaagg gttcaaagtc 300  
acaggtggaa gcagtttgct ccggccagct cgtacacttc atcatcacag tttcgaggct 360  
gctccatgcg atagccttga ggcagtttct cgtagagctc agcacaggtc atgccacagt 420  
agggcgtgcc tccaaggctc actatctccc agaggaggac cccaaatgac cagacgtcac 480  
tcttggtagt gtagaccctg tagttgaggg actcaatggc catccaacgt acaggaagac 540  
ggcccatcg 549

<210> 951  
<211> 450  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI176061

<400> 951  
ggaaaggaac agttttatta gcctggagtt gaaagtcttt gggaggccat atggtgggta 60  
ccgccacggc tgtacaggaa gtaagatgaa accctgtcca gggcttattt ggattgtaga 120  
gccctggaga aggcaaactg cccagggaag aagtagatgc gggagtcctc gccggcctgt 180  
gctatcttac tgcactggga ttcttgaggc tcttgaggcc cttgcttcag tattgggcag 240  
tggaactcct ccagagccac ctgcaggcct ctgcgctgtg tctcgctgag ctcaagctct 300  
gtcccgtgta tgtccgctgt gccagccat agggccaggg agatcagcag gcacttcatg 360  
gctttgcttt agtcctatgg tccttgaaaa atatcaggtt cgttgcttta gagaggccct 420  
tttctgtgtg gttcctcgaa cctcgtgcc 450

<210> 952  
<211> 382  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI176130

<400> 952  
cacttcgatc ctttatctga ttcacaggcc ttgctctcac actctattgc tggttgagtg 60  
tagagggtgg ggcatggaca cacaaacagg acaaaataaa aatgccacag ctgtatgggt 120  
caggagcaaa tcagagtggg ccttgccca aggttacatt cacagctcaa ggtaagtgca 180  
aaagaatgga atgtgaggac agtgcgtgag ggctgctccc ttttgagcgc aggcctcaga 240  
gaggaccag agccatggct accctctctt cagtgcaccc tgctgacccc agggagccct 300  
tgtcccttcc agggagagga actttgttcc aggagccagt gctccactgc agaccaggag 360  
tcttttctcc tgccctcgtg cc 382

<210> 953  
<211> 518

<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI176229

<400> 953  
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tactttgttc acagtcactc tagcaatata tttaaaacaa tagtcaaatt caccacaaat 120  
gtactgtacc aagtaggact ttgacaaatt acaaaagata tattcacaag agacatgcaa 180  
cagaagttca gttaatttag gtcataccac agtgctgact tttgtactgg caccacaacca 240  
cacaggtcag ttgctcttgc tgggtggcaca cattedgagtt ctcaaaatct agaattctgt 300  
gactccgtga accattccaa ccatcaatca atcaatggga gctgccacag aaactactgg 360  
ccaagaacaa caggcaagcc aatgtctggt ttcttcatct tgttaaacac agcttgctat 420  
tcctgcttaa ggcattctca taatgaaaac taagaaattc aatgtcaggg aacaaccag 480  
accttatggc cccatgtttt acaggcacag gtatatgg 518

<210> 954  
<211> 550  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI176247

<400> 954  
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aaggcagcta tgtgccggcg tacactctct acgatctgct ctgctgacct gctacgacca 120  
tagtaatcga tgaagagacc atctggggtg agcaagtaga tggcaatgga atgggtccaca 180  
atatagctct ggtcctcgtc cttgggacca gcgctgtagt atacacggta gttgcgacta 240  
gcatgggcca cttgttctgt agaaccagtc agaccagca gccttgggtg gaattcttgc 300  
acatatcggt ccattggtgc cagtcctctc cgcttctgggt ccacagtgc gaagacaggc 360  
tgcaccaggg gcagctcagg ctctgcctcg agcttctgca ctacctgcac cagcttttcc 420  
agctcatcgg ggcaaatatc agggcagtgta gtaaaaccaa agtacatcag caccactgg 480  
cctcggaagt cggctttgca tcgaggctgg cctttgtggt ccagtaggct gaagtcaccc 540  
tgcccacaa 550

<210> 955  
<211> 559  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI176266

<400> 955  
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ctaattccac acaaaatgga agactctata atgtacccat taaactgcta aaaatagtgg 120  
tgcggtctaca agaggagtcc gttgagatcc ctagtgttgt caggggtgtga ccacaatcac 180  
ccgcccagct ctgagccgga gaacctggaa gctatttcat actctggtgc aatggcaaaa 240  
aaaaaggaat taacaaaaaa aacagaagaa aggaagaaaa ccacaccaca acacaaggaa 300  
gaattaagtc ctgaatgact ggcttcatca tgcccaccct ctccacccta aaatggcaca 360  
aaagaaattg ctaactacac cctaaagact acttttgggtg taaaacaggt aactgatggg 420  
ctaggatggg aacagggcac gatgggaaca gggcgtgacc atccgataaa aaaaaaaaaa 480  
aaccgtccct ttcacgtagg tgtgtacatg cttccgagca gacaggatcg ggacaccggg 540  
gttcgatgtt caggaagtc 559



<210> 956  
 <211> 497  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI176276

<400> 956  
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 accatagaaa ccttctgaca tgtatgatga cttatcaata tgtacaactt caaaaccaa 120  
 tgcttccagc acaagcgaag tcatgctgaa cgtcccaact agaggcaagc tgatgaagct 180  
 tcctgtttgc cgtgtgagcc ttggcttgga agaacttaga cagttagaaa tataaataaa 240  
 accttcaatg agaatcacca aaaaaaaaaa aaaatgcttg taaaaatgaa atccagtcgt 300  
 ctggatctgg gaagtctgtc ctgcttatca gataccagca agcaaataaa actccatgaa 360  
 cgtccaaatg tcagcgggtc aggagaggtc ctgcaggtgc acagttgatc tatcagaaac 420  
 catggcttcc taggtggccc ttaaggaatc atatgccatt tttcaccagc tcatgaactc 480  
 cgttctcacc tcgtgcc 497

<210> 957  
 <211> 572  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI176284

<400> 957  
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 agaaaagtgt attttttgaa tagctctagt aaatataatc tttctacttt gggatgtaaa 120  
 tagggcttaa aaattctaga ccgaaccctc cccaataat cgttagaagt tggatgattc 180  
 gtgtggctgt tagcgtgtt cagcgatttg atgcaaatgc ctgacacaaa cgtccttcag 240  
 ttagaaccgc acagaaggaa agggacggat acggtaaaag cttcttaaaa atcaaaacta 300  
 gtagctttga ttgcaccttc aaatttttac aagcaaaaaca atcttatgca atgccatcat 360  
 acataatcta caaatataat aaaaattcac aaacattttg tgcacactgt atatacacat 420  
 cacaatggtg cgattagaat taacacataa catatacaaa atgaacaaag tttaggttta 480  
 gacaaaaaac ttattgcagt cttttgaaaa ataacttgat tagatattcc tttgtcctct 540  
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<210> 958  
 <211> 525  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI176294

<400> 958  
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 tgagcggggt ccgcagcacc acaatgactg agtccccgcg caggaaacatc ttggagatgt 180  
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 tccacatctc cttcacattt tccagcacca tgttgacagt cctgtcaaag gccttcaccc 300  
 ggcccaggag cttcttggtg tttcgacagt taatgagcac ttgctgtgtg tttttgaccg 360  
 actgtgtgag caccgagagg ggacctgtgt tgaattcctc ctctcccgc ttctgcagct 420  
 cctctggggt catctcactc ttgggtttat tgaggagact catggtgaag gtttcgctag 480  
 cagatcactc ccgcctccaa gcgcgttgct ttagccctc gtgcc 525

<210> 959  
 <211> 672  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI176298

<400> 959  
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 gaaatgcaca agtgaaccat tcaacagctt gccttactcc aagaacacta tattcatatt 120  
 aaacatttat acagtctttc ctctctaact ttataactgg tctaaacagt ttccagcatt 180  
 tctcacagag tctagttttg ctcatataaa tcaccatttt gcattgtccc aggagacttc 240  
 aggttccct gtgcttacat gaggaaacct aaccaccaca ctaccacaa tgtgcctagg 300  
 ggcagccctt tcaacatggg agttgtgatt ccaagaactg ataggacatt agtgatggtg 360  
 gactgacagc tgtagtgtat gactacgcta cacggaagga accacagccc agagagcacc 420  
 tcctacatg acgtatggca ttaggcaatg tactgcccac agacactgaa gccaaatccc 480  
 cagtcttccc agaacagacg tactgttgga gctgctgctt cattctggaa ctgtctcact 540  
 ggtgtgacca gattttaaga aggtgggttc ttacgtactg agtgtgtgta cacaatggat 600  
 caaatttact gtgaggctct gagaatctaa tcacaggctg ctgaccagtg tccttggaat 660  
 ggcccgtgct ct 672

<210> 960  
 <211> 566  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI176319

<400> 960  
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 tggctcctgc gactgtgaac cacgatgtca tcatattcat cgccttcac tctgttgta 180  
 ctgtcgtgt cactgctgct gttgctgcaa gggctaagct tatcatctc atcctcgggc 240  
 tcaggagccc catgtgcacg gaggaggcgg gcgaggacag gggtgggccc gagcagggca 300  
 ctgccaaagt ggggtgcggc ccatacatg cgtgcgggtg ggtcagcgcc agctttgagg 360  
 agaagcgcca gcacgcggc tgccctggcct tctactgcca ggtgcagagg ggtccggcca 420  
 cacgtaggct ccggtttatt gaggtcggct ccagcatccc tgagcagttg gaccatctct 480  
 gcatctttgt ggatgacagc tacatggagt ggggtgtggc catcatagtt ttcagcttct 540  
 agctgcaacc tccaatcttc atcacg 566

<210> 961  
 <211> 646  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI176363

<400> 961  
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 gcttgatcat ttttccacg tgaaagattg cagattagtt ggctgtaat atggcatcac 120  
 ccaaccagc aaaaaggctt aatgttttct ctgatgaaag ccagtttact atatccaata 180  
 ctgattctgc ctttgtctg tagaaatact gagttactgt ctggagtttc caatgtttac 240  
 ctataactga ttataatggg tagagcgtag agttttctat ttatttcag gtgaactctt 300

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cacatttcct ggcttctgaa aatggtgctt ccacaaatct tctacaacta tgtaccctcg 360
taatccccag tcatataact tctccccagt gatctgggca atagtgatgg cttggttggtg 420
gtaatagaca gaggcaccta accccatgaa gaaaggagga tacaccagct tctttatattt 480
tgaacctcta gcaaaaagga gtccaacaaa accagcaaaa ccaataactc cgagtcttgg 540
gtaaaatcca ggaggtgcat tttgaagata gttatagttg tctacttccc actggacaaa 600
gtgttcacc ttgggtttag tatgggagta tatttcctga cacaaa 646

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<210> 962

<211> 639

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176365

<400> 962

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aattacacaa taccaattta tttcaggaat caatgaatta tctaacagaa ttctagaagg 60
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gttttagttc tctaataattg tttggtataa agcaaatatg acttggtctt gacgaagaca 180
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caactatctc tgaatccaga cattacaagt gaatttaata tgcagtttaa gaccagaaaa 300
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taaacttgga tatgtcaggg agggttcaat agccaccaa gtcaggatca gagtccccag 420
gaaaacatac ttcagagaca ccaaagttaa aacctactaa actttgaatt gtggtgggta 480
ctatttgtcc acaatcagca tgtcctgttc taatccatgc agagagcaaa ggtatttata 540
aactaggaag acaggctgga cgccatatct cagagaaaga atagcagcct agcttgcatt 600
cttgaagcct taagttctat cccaagcaca agaaccaa 639

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<210> 963

<211> 540

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176423

<400> 963

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tgtgtctaaaa ggagggccag ctgaaggaca gctacaggaa aatgaccgag tgcgaatgg 180
taacggagtt tcaatggata atgttgaaac tgcttttgct gttcagcagc taaggaaaag 240
tgggaaaaaa cgcaaaaatt accatccgaa gaaagaagaa agttcagatt cctgtaagtc 300
accagaccc tgacccagtg tctgataatg aagatgatag ctatgacgag gatgtgcacg 360
atccaagaag tggccgaggt gccctagcta acagaagggg tgagaagagc tgggcaaggg 420
atagaagcgc aagcaggagc cgagcctgt ccctcgcgc agacaggcga tcagtggcct 480
ccagtcagcc cgccaaaccc accaaagtca cattggtgaa gtctcggaat aatgaagaat 540

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<210> 964

<211> 370

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176456

<400> 964

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aggacgcccc cacttcaggg gcagcagctg cacttgctcg aagcctcttt gcagatgcag 180
ccctggggagc acttcgcaca gcccacgggg cagcaggaac agcagctttt cttgcaggag 240
gtgcatttgc attgtttgca tttgcaggag ccagcgcagg agcaggatcc atctgtggca 300
caggagcagt tgggggccat ggcgaatgga ggcggcagtt ggagatcaac gagagatcgc 360
tcctcgtgcc                                     370

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<210> 965

<211> 675

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176465

<400> 965

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agtgttaaga catattattac atacagagca gatatgtgag ttcacttgca aggccaaagc 60
ctgaggagag ctgcactggc cccttccttc cagtcgcacc caccagcta accccgggtca 120
cttcacacgc ctgtgggaac agacaaggga catacatcac agtggagagg tggcaggggtg 180
gtggggggaa gcttgacagt gcacattgct gcagcttggt gtggccagat aggctcaggg 240
gcagtcccc tggatctgtg cttctctggt ggggaagagt cagtagaggc cactgactct 300
aatcagtgcc cctgaagagt aaggccaggg ccagggcagc acctgcttcc acacacttgc 360
ttagaattgt gcccatcctg gctggtcctc agctcttctg gcctctgcct gaaagcctct 420
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ccattaacct gaggctaagc ctgcatacta ggactgactc tggggagacc agggccaccc 600
tttttctga ggctgtgcc tgccctggca gctgagaaa ttctaccctt ggggcttctg 660
ggaggggcag ggcac                                     675

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<210> 966

<211> 590

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176472

<400> 966

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caaagaaacc accgagatgt ttatttatac aaatgaacag ggagtgaagg taggtcacgc 60
aaaggcagag aactttttaat aacactgtat gaaatccccg aacaatggtg gtatgaaatg 120
ttgcagcccc gggggccacag aactgttctc attgctttcc ctaaaataac actacaagaa 180
tgtgtcctaa gaaaatggct gctcctgtgt gcagccccag gaaagcagtt taaatgaacc 240
gaggactggt atactcatca ggactaaaca cactcagata aaatcatatg gaaagtcttt 300
agagcacacc taaataaaga ggaaaatata atataaaaaat aaaatccaaa atgaatgcaa 360
taagatggtg aacattatgg gcattttaaa aatctacata atttctccag cattttcaaa 420
caaaaggaaa agacaggcta ctgtttctag aacttgcttg ctttttcata aattctactc 480
tcttctatga caagagtgtg gacataaatt ttaaattgaa aaaagaaaaa aaggaaaaaa 540
gcagccccta agctgtgtag tctattcaga tttgagctgt tcatgaagac 590

```

<210> 967

<211> 630

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176473

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<400> 967
gtagaagaaa tattttaataa agaaatacag ttcaaatact taaaaataat tatgtaaata 60
ccaggtagac atatgaacaa agatgacttc tgagttaaata aaattaaaca gagaactata 120
ccaataaata agaaagtcac tggctgaaaa cagtcaagat tttatttttc aatattattt 180
catttggaac tcctagaata attttctcca aatgaccact ctctgtgacc cagaaagctc 240
tggccagggc tcctagactt tgctgcattg gtcctgagac ttctagactg cattagtgt 300
tctggctggg ttgaaaccaa atttcactgt tcaccagaaa gcagctctta atgcattcta 360
attctgcagt caagttactt aacttatagg cagggctggg gtgagagggg cacttaaaat 420
aataaggtca ctctaagaat gttcttcctt ccattctcgg ttgacacatg aatctacaga 480
gtaaatataa ctttccctg ggtgcaaggc tcaaccgaa gcttctggct ggctacagg 540
attcagagcc aaggacactg cctaaaaagc taggctacag atgtagctcc aggaacctca 600
gccaatgagg ctttgccaac ctgtagtaga 630

```

<210> 968

<211> 416

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176479

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<400> 968
aggagggatg cagctgcaga tgggtggagca cgtcaggatc agaaaccaga atcctctatc 60
aagtctggag acgaggagca ttaagagcaa tgatgacgac agtaacaata gtgataatga 120
ccatgaggat gctgaggacc agggagctga tgttcaggca taggcaatga agcccaggca 180
gcagaagttc atgaagagcg tattgaacag ggaccagacc acatgggtcag gcacagagac 240
ctctctgggc atgttgatca cggtagttct gacagaagcc gatccgtggg gtgccccag 300
ttcagacacc tcatattctt ccttgattct ttcgtagttt ggggggtgtc cccagtgggc 360
agcgttcacg aaggcttgag aagtgtgggt catggtaccg agcaaaagca gcagcg 416

```

<210> 969

<211> 715

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176483

<220>

<221> misc\_feature

<222> (1)..(715)

<223> n = a or c or g or t

```

<400> 969
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catacataag ttacatggaa tcttcggggt gtaggagtac aaatacgatg gtacacactg 120
tgagcctggc agtgaagcaa atgaaaccag acttaaaaca aaaaaaatc ggatgtccta 180
gtcaggcatg gctgaggcag agggtcagga gttcaaggcc atcttcagct acatagtaag 240
gtcaaggccc atgtcatcta cctgaaacac catctcaaaa aaatttttgt gtgtgtgtgt 300
atcttctttt acctgtagga caagggcaga gggggcacca tgtggggtgg cttcattcca 360
ctgctcagat ttcccttcc aacctctggg agaaaagggc ctggtattcc cactatgtgg 420
aaatcttgat atgggaaaca ccaagaacct actggaatat gtccttataa atatatattat 480
atcagagaaa acaaggcact ttggtaacat gatagctttc tctcctatgt gttaatcatt 540
ctaggcagaa aataaaaatt ggtagttcc tcagggtcaat taactgaata aagttaatac 600
aggaacagaa ttgtcctcag ctttcgctga ggccccacta aagtgaacga ggcangaggc 660
acagaagcac ttctctgtgc aacacctggt cccaggctcg atgggcacca gccaa 715

```

<210> 970  
<211> 645  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI176484

<400> 970  
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ccagaaagcc agggggccgc ctatcccgac accgtgcgtg agccacggct gcagtgtcta 120  
cggcactcca ctgccatcac tggagtcagt gcacctctct gaaacaaagc cagcgtgaaa 180  
accaggagg acgcgaggcc tactttgatt taaggtaaag gacaagtttt taatacagca 240  
aaacagaaca caaaaagtaa acaaatcctt agaaattact agatgtatgt gtgtgtttat 300  
ataattagga tcatcatcaa cattttaagc cattaataat cagggttgcca ccttaccttt 360  
tcttttggtg ctggggatat tcttgtaag gaaaaaata aaagatttgc ccagactctt 420  
gtttgtaacc acctcaccca gttttctttt cactgtgcct caccctccac catccactcg 480  
acaccagag tccaacctca ctccctcggc aggagcagcg ccagcactca ctgtggagcg 540  
aggagagcag ctattctttc tagttctaata tctgtcgtgg actccgtagt gtgtgtaata 600  
ctgaaagggg taggtttact gcaaagcccc atggcttctg ttttg 645

<210> 971  
<211> 655  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI176492

<400> 971  
aacaactat tttattcttc agagtctaaa accttctgtg agcagcttcc ctattgtgga 60  
gagagatcca gcccctcagg cctcaaactc gaactcgaag tactgagggt cgaagtagtg 120  
gatgcggaca tagccgtctt cgccaccgct gctgtagctc ttgccatcgg gatggaaggc 180  
aacactgttg ataggtccaa agtggccctt gactcttcca aactcttctt caaaagccaa 240  
atggaagaac ctggcctcaa acttgccaat cctgggtggag gttgtggtca catccatggc 300  
ttcctgacca ccttcagca ccacatggtc atagttggga gagagagcag ccgagttgac 360  
gggacgttct gttcggaag tcttctgatg ttcaagactt gtggagtcga agagcttagc 420  
tgtgtgtccc ttggatgcgg tgacaaacat ggtcatgtct ctagacaact ggatgtcatt 480  
gatctgccgg gagtgttcct taacgttcac caatacctct ccagacttgg cgctgtactg 540  
gttgagctct ccgctctcgt ggctgcgat gatgactcc cccaggggac cccaacagc 600  
actggtgatc cttggaatca ttacagggga tcttcatgta agggctcgtt gctgt 655

<210> 972  
<211> 498  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI176540

<400> 972  
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attacaacag gcttttaggt agtgtggctc aatgttgatc accggtttgc taactacact 120  
atcacgacct ttgaagtgcc ggttctcaca ctgggtgttc cagtgcggac aggaggcccc 180  
tttgaacatg tgacacggtc catccacgcc aagggtgtca ccctcctttg ccgtcctacc 240  
tactgcttta aaaatacatt caaataaaag ggtacgttac ttggagtgac tgcacacgta 300

cacggcagcc aggagagctg agaacatgat gaaccagctc cgtctggaga ataaatagtt 360  
 tgaaatagtg ggactgaagt ttgctgcttg gggaccttct cgagcatcct tgggtggacat 420  
 aagggtgaccc tcgctcgatt caaggacaca tcttttgctg ggggaggggt tgttcgtgtg 480  
 ataatttcta gtacacag 498

<210> 973  
 <211> 678  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI176546

<400> 973  
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 cacaagcctt gctgagttac aagacctagg ggaacttagg gttttgttct cagtactttg 120  
 gaaaacaagc cacttgggga attcctgtca agttgtttta gcttgtgttt acttctaaga 180  
 ctagtacatg cagaattaac tacagggaat gaaaaaaatt taagatgaaa cttaagtcac 240  
 cttaatttgg tctactaaag gaatccagct caacagctaa acacttcaga ccacatagtt 300  
 aacagtaaca gtaggttaca ttacgtctta caacaaacgt tctatcaacc tcttgagtca 360  
 aacctatagt atcacagtat cacatgtaga aatttttacc ttcccctagt tttcatgcc 420  
 cacagatggt ttaaagtgtta acaaaaataa acaaaaatca tggaaaatat attatcagaa 480  
 ggaatgaagg taagcatcaa acacatagtt ctggtgaagc ctagtctact tcttccatgc 540  
 gtgatgtgtc atcatctcct tccaggggtg gcatttcttc agttacagca gcactgggat 600  
 catccacagt aggatcatcc tcatcaatac ctagaccaag cttgatcatc ctgtagatcc 660  
 tgtagcatc ctcgtgcc 678

<210> 974  
 <211> 575  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI176554

<400> 974  
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 gccatcattt attgtaaca gacatgatta ttcagggaga gaacaatata tttttttctg 120  
 catttcttcc acacggtaag acagggtccc acatagccca ggttgaccct gaactcctga 180  
 tcttcccacc tccacctccc aaatggtagg attctaaaca cactccacca tcttggttta 240  
 tgtggtgacg gaagccatgg cttcaggcat tctaagcaag cattcatcca tctgagctgc 300  
 ataccagtc tatctcccac ccactcttag aagagcatga atttatgccc atttaagaca 360  
 ctggcttcgc tgaacctcat taccatgatg aggaaaaaaa aacctagaat ctcaaagact 420  
 agcagtgttt tgtagctgtc atcatctcct ggccacggcc caggaagtaa gcatgataat 480  
 gaactagggt agttcaactg acatactcgt gctgtgcatt caatctgctg agtcagtcgt 540  
 ggattagcat cctggggaat atgacacact tcttg 575

<210> 975  
 <211> 590  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI176590

<400> 975  
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acagaaacca gggctgggca ggaagcaagg atcttagagg cagagtatta catcacacag 120
tctgatttac agaggggaag cgaattccac agcactcatt ctgaacacac tttgaacttg 180
aattctagtg ttctccgtgc aaaagcaaaa gactgtttcc cccttgcatc caccaaacad 240
gattagttaa aagcaagaca ctgcaggcgg attctgaagc agccagtaag gagctgtaaa 300
cagttccttc agacagggtg aagccgcgag aaagaaaaga gtgtcagtag tgggtatctg 360
gaagcagagg agaaaatgtc agtgagcgag aggctttagg aaggacagtc agctaggggt 420
acctttgcta tagaaaagag aactgttagc tcttcactgc aagtttcaga ttttactcaa 480
ttattaagcc tccatgctct gtaatatata aacaaacaca aacaaaaatt acgtgatttc 540
tataccacag gaccaaagag ggctttcaga cactgcaggg acctcgtgcc 590

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<210> 976

<211> 655

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176596

<400> 976

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ggttttaatg aatgttttaa tgttatatag aacagaacat catgaatata atggaaacaa 60
acttgtagca attcaataaa aaaaatttca acataaagtg ggggagataa taatttgata 120
cttatagtag ttatttttaa aaatatcccc agcttgaggg tgaaacattt aattttgcat 180
tccaaactct agaatcatga ttttcatgtg agcttaatgc agaatacagc caggaaaaaa 240
aaacatttaa ttaatttcct ttatttgcga ttaaataaat aaaatctctg actgctacag 300
gtctccttta ataatatata tcgaacttct attggaacca tattgctaag gcggtattac 360
actcaaaacg caaacaacaa aaatacggta taaaatctaa atgtgaacgt tgctgagtc 420
taacatgtac attaaactta gggtttaatg tatttttacc tttcaatttt ttgaaaagac 480
acaaaaaag ataaaaataa atatttttct cttttgactg tttctgactt gaatgatggc 540
tccaaggata cacacaggaa gcagctttgc caagttagtc gctgcaaagg gcaatgaaca 600
actgctacaa acaacaacaa catgggtctc ctctcctctc gttagggaaa ccgca 655

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<210> 977

<211> 511

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176598

<400> 977

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ctttctactc acacagaccc caggtgggaa gacctaggct gtcccttact ttctaccctt 180
ggaagttgaa tacgaacaca tggcacaaga tgaagcagaa atatggaagc tacatgactt 240
cctttagaca catatacacc cagagacccc agcaaggccc cgcccagaaa gtcagtgtag 300
tgtttctcaa agggagaaga gaggtgacat cggaataaaa atgcaaagct gaagaaaaga 360
ccagatgata aaaccattat gtctgcttca tggagcaatc aggaatcctc agaggatgag 420
gatctacagc ccagtgtatg acatgacacc agcacctgtc agtagaagcc atgacctccc 480
tacagtcatg tctacacagg cacctcgtgc c
511

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<210> 978

<211> 667

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176616



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<400> 978
ttttttttga ctaactccag agttctttat ttaattggaa catccgacgg caaccacatt 60
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ctcctggtct cctagccaga gtagcaaatc tgaacttcta ttcaggtcag gactgctatg 180
gcctgtgtgt ccctgcccag gacactcatg ctcagcctca agattggcca cttctgccct 240
agatcctagg gaaaggtgaa catgagggag tcctggtagc actacaggag tctcccttct 300
ttctgtagtg tcctccccc cccccaccct ggcccccatc cagagctcta ggggtccatga 360
aattgattcc ctcacaaaat agtgctaggg acctgcaggg gctggtcac agggttacca 420
tacaagccat ccattcattg gacagtgggg aaggcatatc tgggggttat cctgggctat 480
ctccacctca tctgatagcc aagaaggaag caaacttaag gatggcagcc caccacccat 540
tcacaggtcc ctggtaagtg ttggtcacca aggtctccac acactctggg cccggcgagc 600
tgtggtcagg atgcctaagg atgtgggcac caaatctggc ccctcggcag gcaccgggtt 660
tagttca

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<210> 979

<211> 591

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176642

<220>

<221> misc\_feature

<222> (1) .. (591)

<223> n = a or c or g or t

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tgcataaact gctcacacta gaaatacaaa catcgatgta gatgaacaaa gtgatgttca 180
gagccaactc tgctttgaaa ataaatcaca acctgaaaca ctgtgagctt tctcctgaag 240
aaccatagtt aatatattgc ttaattttac ccttgataaa tcttttcata tacacatatc 300
tcagatgcaa cttcatgagg aactgtacaa ataaaacca caaatgacaa aggaagagag 360
acaggtaaat gtttgaagag atgggtcctc atcactgctc aataacatat ggggttggcgg 420
tgacgtactt attcaaaaat tgtacacaat tcactataca aatataatac attggacagc 480
tatgtaggaa tatacaagac ttaaaaaagg atctaaggca ttatgctagg ttttagcatt 540
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<210> 980

<211> 605

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176648

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<400> 980
gagggttaag tattgtccac tttattttct tttcatctga aattcaaaat taatgtgcag 60
ccacattaat gtacaaaag gtttactaga aaaataaaga attttaaatt tttacaatat 120
ttactacttc aagaatctct tagaacaat gttatttggg gttgaaatgc aaaatctgac 180
ttacaaattc tcattcagtc cctgtaagac aaagcacgcg tggtaaaatg gtagatcctc 240
aacaatacta agaaaccag cgtgagcgct ccacctaaac gccgtgtgcc gtgctccgtg 300
cctttggtgc tgcccgaga gtgtgagaca gtcagtctcc ttggacactg gcctagtgtc 360
cactgccata ctaagggcaa acaatgtgct ctgtttactg ctccaacact tataccagct 420
acacgagaga cagagaaata cccatgtgca cgtagagcaa acactgaacg ccgtaggccc 480

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ctaaagtctc actacttcaa gaggccactg cagggaaaag acaaggtgac aggtaaaaaa 540  
aatgagagct gtgcctgtgg gctgcacact gtccagtgtc ggaccagaca tgtttggggg 600  
aaaaa 605

<210> 981  
<211> 604  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI176658

<400> 981  
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tcaaattgac agaaagggag ggctggtgac ggctactggg gatgggtagc aagctgaagg 120  
cttctacttg gctccagact gttccgactc tgggcctcca atttgggcac gggcctcgaa 180  
agtgaccgga atggtgatct ccgctgattg tgtgactgct ttgggcagcg gagccttcac 240  
cgtgagtgtg ccctcagggg acaggggaaga ggacaccaag gtgggggtcca cacctggagg 300  
gagcgtgtat ttccgggtga agcaccgaga gatgtagcca tggtcatcct gcctttcttc 360  
gtgcttgcca gtgatctcca ccacgccttc cttggtctta actgtgagct cctcaggagc 420  
gaagtgggtg acgtccaggg acacgcgccca gcgatcggcc gtctgtcgga tctctgagac 480  
accgctactg agttgccggg tgagcgcccc gctgaaggcg ggcgcggcca gggtcactgc 540  
tgcgggggccc tcggcggtcg cggcgggcaa agggcgcaaca tagccggggc aaccagcgga 600  
gctg 604

<210> 982  
<211> 567  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI176675

<400> 982  
cactggagcc tagaacactt tattagaac gaaatatatc acaggcaaata aaaaatagtt 60  
cttagctcca ttgatacaac ataaggggtt ttacattcgg cctagatata gggagaggca 120  
gattccctcg cctacagacc tctggcttgc aagcatctcc caccacaaga ttactctgta 180  
tagtacatag cccttggtta gtagagggat ccaaataatc gttttcaggc ttacaaagtc 240  
cgatacattc actctctctt tccttcacaa gtctaatagc aaaaactact ttttccatgc 300  
cccaaagcca ttatcagtag aagaaaactc aggcaaaaca gagatggcag ttaaggaatg 360  
gacagagtat tattggcaca tgcccagcta gtgacaaaca aatgcagtgc accatgactt 420  
gaaaataagt cacattacaa ggagaatgaa aacaactgta ccaactaagc tagggagtgc 480  
gaagtggaaa ggggattgat tgagagttac tggttttact ggtacaactt aaaagcagtg 540  
gagggcaagc acttaaatcc tcgtgcc 567

<210> 983  
<211> 559  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI176701

<400> 983  
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tgcctttggg cttctttcct gtgtgtcagt gctgaagtga aggcctgcag gtcacctggg 120  
aagcagggct gataaggagc tgagtggaca gtctcgggct cagtgcggag acagcagcac 180

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ctatgcgagc ctttgactg acccgccct gctcagagga gctggctgtc actgagtggc 240
tacttcacat ccattctgca cacaacagtc ctggattagc tacgtggtat gctgtggtca 300
ccctctcttt ggagtacaag ttcaggacat caagggtccac gcgtggacca ctatggtggg 360
aggtgactgc taagagccac acactcatca tgcccagcaa gtcctcaggt taaaaacact 420
ggtttcctag tcagcccagg ggaaagaggt cttcactgtg gaagagagga tttataagta 480
atctcaagaa agctgtgacc tgctagtggc cttggctttg tgccctctgt tggcctcttt 540
ccaaggtctt ggataacat
559

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<210> 984

<211> 479

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176739

<400> 984

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caagtaactc ccaaacaaca caaaaaacca gattaaataa aatttacagt gaaccagca 120
aacatctgta tgtgcaatta aatactgtgt ctgttactgt ggtggcaca acctcaaca 180
aacaatatac aagtgttctg gggttggatc aggggtcggg ggagtccaa gttttaactc 240
tgtgggggtt ggggagacaa ggtgggggaa ttgaacgaat ggggaaatca atttattttt 300
cttaattctg tccatataaa tatattcatg aagacaaaa gagggaggg cagttgggct 360
ggtgatgaag tgggagaagg ggagggcata tccctcttaa ctctactcag caaaaaattt 420
gaaacaaatt aatttcatgg tgggagaaga gatttaaaaa atgatagaag atgggacct 479

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<210> 985

<211> 556

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176781

<400> 985

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agagaacaga tccttcttat tgtaacaatg gctggataag gatgggcctc tgagaaaagc 60
agcacactca atgcggaaga aaccaagtgg atacatggga gatgctgtaa attaggtcaa 120
gagcaggcta gggaggtctt ggtagtagag ggcttttcca gggccaaga cagaccctg 180
gctcagtgcc cagcaacaaa atgagaaaaa ggtaggtgtg tcagacatag acggtttgta 240
taatgtccaa ctaaagttag agtggcttca gaaatgcacc atgttaaata tttggatata 300
aacaacacta tctgaaattc aagtggagcg tgggtgtctt ttttgccaag ggaaagaagt 360
tagtttccag aaaggatgaa cattaagacc tttgtgcttc tgtaacagaa gttaaagaac 420
catggaacat tactttggtt tcaacaggat ggtgtttggt caaggctgag agcctcaagt 480
gagcaattta gcagagtctg tatacaaaac gatttaccac tggggcacag agacttcctt 540
cgtgccgcct cgtgcc
556

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<210> 986

<211> 599

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176810

<400> 986

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acagttcaca tgacataagt tattttgttt tctaattctt ctaatgacac ctgagttatt 120

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taaaaatata ctgtgatgga actgttaaagg gaactctgac taaaatcctt tctttttgca 180
aaactcacc ctttatctg catgtctttg gaagaagggt tgctaaaact ggatcctagg 240
tggtccaggc agagagaagt cctttaaaac ccagatgaaa ggtactggag aatgctcccc 300
cagctgacac taaatactgg agggcagcca tggaggactg aagggtgagg cagagatgag 360
gtgcttagtg acagaaccca aggcctggct aagggtcctt ccatgtgaca agcgctttcc 420
ttgctagtgt taacagggga cagaagctaa gggcactaag gccagaggag aaatgtctgc 480
taagcaactc actgcccctg agacctctaa tatgtacaga tgcttaaaac agcaagtccg 540
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<210> 987

<211> 445

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176828

<400> 987

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aaagcgaaca aatccattta tcttcctttc catcccctgg ccagcagagg tggggggttaa 60
acagttcatt ttaaaaaaga caacgactca taaaatgaaa acagaagaaa gaatccagag 120
ctggagagct gaaatgtggc cctggggaga atgtgtatgt ttccagtctt gatgttgggg 180
gtcatccag agtaaggaac tgacaggctt gagactgagg tgctccaagc ttcctgaggc 240
tctgaaaggg ggactgacta cgctcacacc ataagctggc cactggacct agagtcccca 300
cctctgtgac cttgttgttg ctactgctgg gcacaatgga aaacagtcaa gccccctggg 360
tgaatcgcca gcccaagctt gtcttaccag ctcttccga aacaactcct tagcctcgtg 420
ccgaattctt ggctcagagg gccaa 445

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<210> 988

<211> 574

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176836

<400> 988

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gcaaggggtg cgtggccgct gaggccctga aggaccccg ggtgtgcaca gaccctctc 180
agctcaccac acacgccatg ggggtcaaca tctacaagga aggccaggag gtggccctga 240
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tagaggacct agaaccggag tcccagagag actggcgact gcttcgcaaa cagaacatct 360
ggcgtcacaa caggctgagc aagaacaaga agctgtaatg tgagtgtggg cacttcctcc 420
caggagccag cctgggtgcc gccagaacgg ggagaaccga gtccttcatt cgctcacctg 480
gatgtgcagg ctttacacac actaaataaa caaagatgaa aatgaagggc aaaataaagg 540
gacctgcggc agtcaaaaaa aaaaacctcg tgcc 574

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<210> 989

<211> 478

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176839

<400> 989

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aaaaacatca ccaagtcaga tttttatttc tacagacaga aggccaaaag tttctatttc 60

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agtagcagtg tacaccaaac cactcctccc cagccaaagc tgactcttct ttgcatcctg 120
catgcctttg aaccatgccc agccttggtg ggggtggcagc aggactagac tgctattctg 180
tggtccaagg ggtacctgaa agcaagaata gaccaacact ggcattccgtg ggttcctcag 240
gccaacgcgc tccccctctga gttcaccatt cattcaaagc ctgggtcttg cgcgcagcaa 300
accttgagac ttaaggtgct cggcgatttc tcctctccct ggaggacctt ctctccctcc 360
gacctccatt ctgtactgct tgatcagtcc agccatctgc aaatgaatat cacagggaag 420
agacctatcg taaccacgag aacacctcac ggagactcac ctctgtgccga ctggtgcc 478

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<210> 990

<211> 662

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176841

<400> 990

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atatataaac aaagtatctt catggcatca aaatagaact ccagactgga cagtgacct 120
ggagaagggc agccacagag gcagagagcc cctaagccag agctactggg ggtatatggg 180
gaagcaagaa gatcagggac ccatgacacc ctagcgtctc ctgccagacc ggttgccctga 240
tgcagggctt gagccatcta catggtgcaa cctggtgggg tggcccagga gcttccgtca 300
cctccagcct cctggcatgg ggtgcccage ctctccatcc caatatgggg ccaggcaggg 360
aacagagtgg gcagtacact cacaagagca cagtcctctc agccaccaga ggttgccagg 420
atactggggg acatggtggg gacgcccac accatacgag gaggcagaga gatggccgag 480
catcacaagc acaaggttaag aaatacagaa cgagctagga ccacagcaag aactgcacat 540
gcctggaggt caagccacc tgctcaggtc ctgcatgtga gacggctgcc gtctgtccat 600
ctggctgtgg gaatcaacac ccaggtcacc gcactgcaca ggataggggg tttgtatgtg 660
ca

```

<210> 991

<211> 498

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176901

<400> 991

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gctgttcaca gcacctagaa cagggcttgt catccagaca gcatcacccc actgtgcaca 60
ggaatgcatg aagcacaatg gctgtttctt cctccagaaa ggcacttaca gtttagcttg 120
gccccaaaag gcaggcgaaa gctgagacac cagtactcaa ctcacacctt ggagctgaag 180
ggccagttaa ggtggctcta gccatacagc cccacctccc ctactctgc ctcttcagc 240
tgtggcccat ctgggacaac ctggtccatc tcccttcggg cagaggctga taggcccctca 300
ggcagggcaa aggtccctct acggatcttg ccaaagagca gggctggttc agagtccctg 360
aacgggtatc ggccagccag catggtgaag agcgccacgc ccaggctcca gacatcagcc 420
gctctgccgg agtaggatgg ccgggagctg agtatctttg gtcccacata ggcagggcac 480
gcgtgcttgt cccacaga

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<210> 992

<211> 575

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI176942

<400> 992  
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actgggggttc ctaagaggct tctctctgcc tgggtgactt tagagagggg ccctccctg 180  
ggtctgctga tccttagtca tccctcaaca tgaagatgct tcagttcaga ccaaacagat 240  
acaggagact acacccactc cagatcttat atctgtaatg catcccttc tatacctctt 300  
ctaagtcttg gagcaagtga tacatgtaca catctatttt catttacaat tcaacatcag 360  
gctatatcac agatcactcg ctgattctca gcaattggac aaggtctgag tctctggagt 420  
aactaccacc cactgtgaaa ggctcccttt accactgagg ctggcacagc agtcataggg 480  
cataaaaaaca aatgttttga aggcaagacc acacactata cctgtttaat aaaaaataaa 540  
acaatactag tagtagtcta cttactatgg cctat 575

<210> 993

<211> 435

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176947

<400> 993  
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ccactgacat ctctgtgaca ggagcaggcg ctgacaacat gcaatgcaag tcaggaaaac 120  
cccacagacc tgtgggtcgg gacagcccat cttttccctg ggatatgaat gcactccact 180  
tcgtcagcca gcctcccagg cttggaatct aggtccagac gcctggctgc agctcccagg 240  
atacatggca actcaaagga caaacaggaa ggagtgtgtt ttccctacca gcacaggcgg 300  
tagaacagct gtcacactcc atggccaaca gagaaaactg tcctggcctc ggggagacag 360  
ggaaaagcct agacctcctg tctccctttt cctgctgccc tggaagggca agaaagaaag 420  
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<210> 994

<211> 595

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176963

<400> 994  
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tcaaaaaaat gttttgtaca aaaatactgt caaaatttcc taaaaagctt tcaacacagt 120  
agtatctttt catgtactga atataactat tagcacagtg tcaaaaatgt tgaagacaga 180  
aacaaaataa aaatctgtga aatgtttgcc actgacgaca ttccacaccc tattttattgt 240  
ctgtacatat gggggagggg gagacagcca acttgaaagt gaacgggatg acttttctctg 300  
atccagaacg gtttggccca catctgtttt aatcttccag tttagcatat ttgaaaactt 360  
aagtctgtac tcgaatgcat agtttaaaaa aaaaatgaag cgagacggca gtttgtgcag 420  
taatatctgc ctttcaaagt tcatgcagcc aagaaatgca atttttcctt tcaactcataa 480  
atctgaatgc agtgcgagc catttgaaac catctacaaa atccacaaga ttaagcagtt 540  
tgccaagctt aatatctaac agttgagcac gggagaaagt gaggaacaa ggagt 595

<210> 995

<211> 550

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI176970

<400> 995  
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ttatcaactg acctggacca tctactacca aagggtctata gttttttaa atgtgtga 180  
caatgcaaaa taaaataaaa acctgttaaa cacagagtaa actttgcttt aatggatata 240  
gaaaggaggt gatttggttt gttttcaaca catctgggtc tggcagcaaa taataatata 300  
ggttagcaat gtgccctgaa aatttctgct ttctgcttgt acttatcact tgaatcagag 360  
gccagacatg cggaaaatgc tctaaatcct ttaacaccct ccttcagaa agccacaacg 420  
ttaatgaaca taatggtctc acggcccata gtatgtacga ttatttttcc ccagtaacac 480  
cggatggctt caatgatctc taaaagagaa acaaagatgc aagggaacct tccagggtcc 540  
aacttcactt 550

<210> 996  
<211> 370  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI176990

<400> 996  
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caaatcccca acccccactc atttctttta aagacagcca ttcctcattc tcagtttcat 120  
tatccaatca tccactttta ccttgctcgc aatggtgtca aatttggtta gaacaatgcc 180  
atcaatgagc cgaggtgtct gagccataga atggctcagc aaggctctgt tgaatttgac 240  
ctaaaaaggg aaagggtgac ataagaaccg atctaatttg ccaaagtta agttgtaagg 300  
gaactgggcc caaacctc caagttgatc cacagcttca ttgcctacta aggcctcccc 360  
ccctcgtgcc 370

<210> 997  
<211> 610  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI176993

<400> 997  
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aaaaaaaaatc agtaaacac caattcgatt ttcctattct agccatataa gccagctgga 120  
ctttgtaagg aaaatgttct gaagcgtcac cgtcaaggac tacagaaaac tgccaccac 180  
agataaactg ccacagtaag tgactacagc gtggctctgt cactcatacc agacaacccc 240  
aaataaatac tttatgaaaa gaattaaagt ctatcaaaac cacttaaaat agaattctaa 300  
atgcagaaat cttaattttc cttcagttgg gccagaaacc accacagacc ctacggtcag 360  
ggttcagggg agaataatg gaatgttta gctcaggcca accaacacag cctcaactt 420  
ttcaataaaa tcatttactc aggtatactg taaataagaa ctgtggcaac acaggaagca 480  
aaaggcagtt ggcaagtga atttctacaa gctcatgaaa acaataccat ccaaacggca 540  
gatggaaaag gagagacagt tagtgctgg tcatcttcag tcgttcggtc gtgcagggtg 600  
tcaatcactg 610

<210> 998  
<211> 595  
<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177029

<400> 998

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tgttttcaaa acaaaggatt actacttgct gaggtgggtt cctgctttac ctagaactcg 180
gcggtagaca acaccccagg cccattttat tagaagccaa agggcacaga agaatggttg 240
ggcatggctc cttctcatct cgaacaccct ggctttctac tagcgccagc tagcacagac 300
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ctgcaaagca gccacgtagc tgaggctgga tcaggagcgg acgctttcca gcttccacac 480
tgtgagcaga gcagtctcta ttcccaagca ccaaggaggc ctcgttccaa tggcacgccg 540
tttcttctc ttgcttgga aactggggcc gccgtttatc ttccaaaagt ttctt 595
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<210> 999

<211> 588

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI177038

<400> 999

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taagtctcta aatagcaaat aagcctgttt acatgcctat atcaaacttt cccaatcttt 120
ctccgtcaca tctaaattac ttactcttca acctctaaac ctgcttagag gtgatcttta 180
aagaacagta agatcaacga tatacagtag ccacagatgg ttcattcgca ccttactctt 240
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aaatgagaaa tggaatattc agagagtaaa tgatttctta agctgaatat ggtggctcat 360
gcctgtgatc ccaatagtca ggacgctgaa gcaggattgc catttgtttg aggtcagcct 420
gaactagtgt gagatagtgt aaaaaattaa atgatttcca gttccaaaaa acaaagaaat 480
taaataactc ccagccccaa gtggcaaact ggcatggga cctgccatgt ggcaaaagct 540
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<210> 1000

<211> 492

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI177042

<400> 1000

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ccacctgtcc ggcgatcctg tccagatctc tctgtccctg aggtgttagc ttgcggcccc 120
catcttggtc cttttccacc attttcagcc cctccagggc ttggaggacc cggcgggcca 180
cactcttaga gcctctgctg aagtggctgg gcctgacacc gtttctctgc cgtcctccgt 240
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aagcagctcg tgtgtagaac cagttctcat catatggggc aagctcttta tgtttggcca 360
acttgactgt gtccacccat tcggggactt tcagcttccc agactttttg aggaaggctg 420
ccagagctct gacgaactcc tgctgggttaa cgtcttttac agtaactcca ggcacgtg 480
ggcctccgct ct 492
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<210> 1001

<211> 629

<212> DNA

<213> *Rattus norvegicus*



<220>

<223> Genbank Accession No. AI177055

<400> 1001

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aggcattacc ctataaacac acgtatgacc acccatgcac acatacacac aacatacaca 180
caaagattat aatataaaca ccaagtgatg aaaaaaacac tttgaatgct ctaaatacaa 240
ttaaaacccc tttattataa taaaccgtgg caatattgtg actataatga aagatattgt 300
aactgcttaa gaagaaaaac aggggaatac tggcaattta gcagcagcaa acagccaagg 360
aagggtggaa gctaagcaga cgaagcagca tctctctcta atgttggcac tgtgtaggac 420
tgcacggaag tagtttaagt tcagttttta aggaactatt aaaacatcct ttgaaatact 480
aatttgctgc actttacaaa cagtggaaaa gaaaaaaaaa gtatttggaa tgttagacac 540
gcacgcacac gcacacacag aggaaacata ctaagatatt ggtttatggt ctttgtttat 600
gacctccaaa aagttttata aggaaaaat 629
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<210> 1002

<211> 404

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177091

<400> 1002

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acaatttaca tatatatatta tatacagtat ataaatctct ttcttcttgg tcccaccct 60
ccctgataa cctacaagtt gtcagtagca gatccaaaaa cttacaata aaagagagaa 120
taaacagctt ttcttccctt tccatgaccc actgcggtat tagataactg gtgtttaca 180
atggaaccag aaacagaaca cacacataag agttattaaa agtgcaaaca tggagggcac 240
catttatggt acatgggctg tggctgggcc acgggcagcg ctgaaggtta ggtgtctgat 300
ggtcagtcct gtcttctcag actctccatt ggcttttctga ttttctgct ctttagacga 360
gacgtccaat gaatggattt gtgctgctc gttttccctg aggg 404
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<210> 1003

<211> 594

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177099

<400> 1003

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gatacagctt tacatgtgta tcaatagagc caataaatta ctgtttctct tcaaggacta 120
ctatgtaaat gtttgaatcg gaaacattat gattgcccatt tgcaagcttt gctattgtca 180
tttggaaca ctataaccac acattaaaaa aatatcaata tatgtatgac tctcagaaga 240
catatacata tacaacata ataattcata ttcccggtat gtcacatatt tgatataaac 300
ctctgaagca tgtttggata aggcaaaaat cagagctctc caaaagctga aagtttaatt 360
tacttgccaa atatcccta ttaaccgaa catcaatatt ttaaagtctc tatgtaaaaa 420
gtatgctttc agactgctta aatgctataa cgcacacaac aattttcaaa taatagaacc 480
aatagttttg ctatttgaag aatattaggt aaaagatact atgtgacaca caccacaaga 540
gtcaatgata aaaagctggc ctctctccta caatgagtgc aaaacgacca tcgg 594
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<210> 1004

<211> 518

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177103

<400> 1004

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aaatccccaa ccccggttct ggtgctttga cagtaatctc tggattccaa gcagaaagaa 120
ggggcacttg ctctgaaacc tcaagcagcc agggagagca ctcggttaga gagcactgtt 180
gccagtgtca gcagtgtctg aaccaacact gctgctcctc tgggccacac atgaccagca 240
gttggggaga gtttacgctc cccagaggag gaaacctttg cctctgtttc ttatacatat 300
acatctgact tttacttctt tgtgacagga actcacacat tgaacttaaa attgtccata 360
ggacttgcta agagacaaac ccatgagccg cctgtccccc taaccctag gcacatacta 420
gatctacagc tgccccctt gtcaacatcc accttaagtc agaactgggc tctccgtggg 480
gaccagtgc agtacacagc agacagtaca agcttcca 518
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<210> 1005

<211> 560

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177105

<400> 1005

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tctggaattc aagttttcct tgtacttcat gctccctccc tgccctcaaaa ccttgccaaa 120
gttcttcagc ccagaggcag gaagaatcgg tgccctgctga agtatccaag ttgggtctca 180
gaaaaggcac acaaattggg tcttgggggc ggcacccctg ctccccgttg cccccagggt 240
agaaagaagg cactgtaact ggacacaaga gctggggcat gagtccccag ctgtccctct 300
ctggttccct tgctggtgaa aaggttccct tgctgcaggg ccacgcctcc agaacaagtt 360
ccacaaaagc agcctaggct ggtacatttt gattccacat atgtgggcac ttcaggggaa 420
aggagaggca aggttaccag tctggagaac tgctttaacc ccctctgcct caagatgggc 480
gcagttaggc ttcagggctg cctcagggtt gccacactg caaccctctc tcaattcatg 540
cagatgaggc cgtggcttca 560
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<210> 1006

<211> 473

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177115

<400> 1006

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gtctgtgctt tgcaaacaga atcaagacat taacaaagat cagcttctct gaagaaaagc 120
atttctatag aacagagaca gctacatgtc cgctgccatt acacagctca aagcaggaaa 180
aagaaaatat ttacaaaata caagtttttt taaattttta tcttttttgg ttttttttgt 240
tttgtttttg ttttttacia tgctaaaagg gttattcaga attttcaacc ttataaatag 300
aagaagcact ttatgcatag ggatatggtg cattattgtt gtttaaagaa acaatgacaa 360
accttttaac ttgcaaacag aaagaaaaaa aaatcactaa tgttgaaaat tgtgaaaaaa 420
ccctaaccat taagcagtct gctactatt tttgtacgat tataaaatgg cag 473
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<210> 1007

<211> 605

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177122

<400> 1007

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ctttatcata aaatatatgg ttttaaactt tactcaaatt gaatttataa tccctatgac 180
ttccctacat atacataaca aaagagtgtg gtaaaattag caaatactaa actatattga 240
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ttccttggtc tattagtgtc agtgtacgat gcaacaaaat acgaaacaca tgctgggtga 360
cattcgtcca tatctacaag acggcagcta gagattagga ttcaatactg acaatcaact 420
atcctacaag ccattagcat tacatcataa tgtgccatca aggcaacttt ttatactgaa 480
aaaaatcaaa ataaaaaccg ttatttgtaa actttatacg aaatgtaact cttcaagtgg 540
aaataaaaaa taaaattttg tctatttact attgaataca cataagattt caatttttgt 600
tatac 605
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<210> 1008

<211> 616

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177161

<400> 1008

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ttaatataaa atagtcattt cttgttcata cagtatataa aaaagtatag tggtttggtt 120
agttttcaat agtttgcttt tagccagatg tcatataagt ctatgactgt aacaaatgag 180
aacagtataa ataagttctg tagtatttac acttacacag aaactagccc aaatggtgcc 240
caagaaatta acttgagagt taaaatgaaa ctgattcaac attgagactt taatgctttg 300
taaagtttca tattatttct acactagctt tggctataat tctgcatagt tacttataaa 360
gtgtttctgc atttcacatc acagtaggaa gtttttagccg taaaaaaca acactagctc 420
agaaaaggct ccacctctcc gaacctagtt tttctttgta tctggcttct tgctcttggg 480
aacaaggaac acgttgccat ctctggctct ctgcagagag tactcactgg gagagtaagg 540
tttcccatcc tcatcacgta acatgctgaa gacttccaga taaaagtgc tgagttttct 600
tttcagaaga tggagg 616
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<210> 1009

<211> 563

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177181

<400> 1009

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aaactctgat gccttcctta gagacacagc aaagggactg tccatggccc cggttagtga 120
cagagtgaac agagtctaga aacaggctaa ggcattgtga atgggctatt gagaacggaa 180
gtgcccagtg ctaaaccagg gcctgagtga tcaccaccca atctgtttct gtgggaacag 240
ggccaaaaat ctctaaggaa cctggaaatg tacagaaacg tggttacact aaacctggtc 300
tagcagtgtc gtctgcagc ttctcccaac cctactgaag taccatgat gcactgcgac 360
agaagctctt taaagcatta atcagcggtg tacacactag gcgagtgaac actctgcttc 420
cagacacgtg aactggattt ccaagtacac acagggcaga accccgagtg cacaggcagg 480
gccagctgcg tgggctctgt aaccgatgtg gcccgagctc aattcccgtg tacttactgg 540
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ttgttggaac gacgacaaac cat

563

<210> 1010

<211> 537

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177341

<400> 1010

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tgacagagta agaattagaa ataccataa catttttgtt agactgttgt tttaaaatta 180
acactggctt tgacaaaagc agttggggct taagggggac acgaaggtaa atagcagccg 240
gctcgtatta atactgctat ttccctccct tatcacactc cacagttcaa tttatttatg 300
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gttggggaag cctcaggagc cagtcaggag ctgggcagcg gcacaagccc tccatgtgtg 420
gtggcgagca gctagcatgg agtgactcag tgcttggggg tttgaagtgt gtactgcaaa 480
gagccagaga ggccccagaa gaaacttggg ctgtgccagg taagaacctt acagaat 537
```

<210> 1011

<211> 556

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177363

<400> 1011

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ggccacagca catgaaatcc aagcccctga cagatgcctg ccttgggcac atgcaaacag 120
cgcacatggt caagcgcaaa cataggcgac cgaggcaaca ctggacatgg aacacaggat 180
gggggacagg ctggggctca gttcaagttc agggccagca agcagcaggg caccaaatct 240
gtatcttcta ggccccatcc ctgcaaggcc atggcctagg tggaggcaga ggtcacaggc 300
gcagctcatg ggttctgatg tgctcgagct gctccaccag ctgcatgagg ttctcgaagt 360
acacctctc atcaatgctc agcttgctcg cgtgatacat gatgcggtag tgctccacct 420
tgccttcaca gctcacacac agtgtgtagt cccaggggta gttggtgctt tcccgcacca 480
ggaacaggcc tgtctctggt gggtagagaa gccgctccgc ctgctcccgt gtgatcttgc 540
cgtggaacca aggcatt 556
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<210> 1012

<211> 618

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177366

<400> 1012

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tgacaggagg gcacagtggc cgaattgctg ctgagggggc ctgcccaggc cctacagtcc 180
tgcaagcagc aggacggctt acagtatttg tgaaaaaggg aaatgtacag ccacagaaaa 240
gaaaagggtt taatagagtc tgacccccaa attgcaaaac gacacattag agattagagg 300
tgataaagga gcaccaggaa ttaaagaaaa acaaagcaga acaggcccct gctccacaat 360
gctactaaag ttatggcctt atgtaaatag tgctaagtca gggacttttt agcagagaag 420
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ttcccagtag ttttatccaa gcttggattt ataaagagaa agcgttggga gttacaggat 480  
 caagtaactc acaatggcac acaggtttta aagctaagtt ttcctttcca catctcagaa 540  
 tttttccaat ggacttgtaa atcaactgtg tcaaatttat ttttaattgga aactgtcaac 600  
 acacttgtct tccgcacg 618

<210> 1013  
 <211> 501  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI177377

<400> 1013  
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 caggagcaga tccgctctgc ttgtcttgct ggtttatagg gggcaactca tcctcctggg 180  
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 gtagcacgag ttggcttttg ttgggtttct ttaactcagt tcctcatggt gtggtgaccc 300  
 cgcccccaac cataaagtta ttttcatttc catctcacag ttgattttgc cactgttctg 360  
 aattgagata gagtcttggc aaaggagtgt caaccacaa cttgagaacg ggtgccactc 420  
 atgaactggt ggtcctgggt tctttaagga agcaggctga gcaagccaat aagcgggacc 480  
 ctccatggcc tcggtgtcag c 501

<210> 1014  
 <211> 514  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI177413

<400> 1014  
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 gtaggagggt ctgggcactt ggtttaagcg gtggacagct ctggtgttg tgctgtgtg 120  
 tgcccattgg catcacgggt gcagccattg gtggccggtg tggactcttt cttcacatcc 180  
 tccttctcct cggcgtccac tagggctgtg tatttatcct caggcacagg gatcttcaga 240  
 gcattatact tgtttttaaa atcatccacc aagccaggct tgtccacatt ggccctgtag 300  
 taagcccagt caatcgctgg tggtttctca gacagactag ccaacctggt gtggaaggtc 360  
 tcattccagg acttcagagc gtttccaatt gccttctggt tttggggcat gatctccaca 420  
 aaagataccc aatcgatggt ttttagagca agtttgccgc cagccatctt ggataacttc 480  
 ccgacccccg gcggagcgct gtctccctcg tgcc 514

<210> 1015  
 <211> 520  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI177489

<400> 1015  
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 gggagggaat acctaggcaa tgtgggggtt cttctgaggg ttgtaaaaac attctaaaat 120  
 tttttttgca gtgatgattc attcaatgac tgaaataaac taaaagtcac tgaattgtat 180  
 actttaagtg gataaactgg atgctatgca aatttcatct caatagagca gttaacagtg 240  
 acacagaaat tacaaattaa ccacacattc attaagggca gaaagaacta atggagaaac 300

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atcaaggatg gtctgactca ccaaattaca tattttaaac agctgaattt tatagcatgg 360
aaacgctacc tcaataaagc catgaagaaa agtccccag agaacagaaa attaagagca 420
cacagctagc agaagctgct gtgcaaatta tcaaaagggg ccagtacca ccagtctgaa 480
gacaagggaa tggcttgggg ggaggaactg gatatctttt 520

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<210> 1016
<211> 575
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI177503

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<220>
<221> misc_feature
<222> (1)..(575)
<223> n = a or c or g or t

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<400> 1016
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cagattggta tcttcaaaca accccaccag gtatgcctcg ctagcctcct gaagggcacc 180
gatggctgca ctttgaaacc tcaagtcggt tttgaaatcc tgggcgatct ccctcaccaa 240
cctctggaag ggtagcttcc ggatgagcag ctcagtcgat ttctggtaac gacggatctc 300
tcttagagcc acggtcccgg gcctgtagcg atgaggtttc ttcaccccg cagtagaggg 360
cgcgcttttc cgggcccgcct tgggtggccag ctggtttgcgg ngggctttcc ctccggtgga 420
cttcctagcg gtctgcttgg ttccgggcat cttctctcac ccaaagctga agtctgaggc 480
ccttgctggg accgacgcgc cgctgtaagc gctcgaacaa gcgccgcaat cgcagagcag 540
aacaagacga agctccttca acgaacctc gtgccc 575

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<210> 1017
<211> 521
<212> DNA
<213> Rattus norvegicus

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```

<220>
<223> Genbank Accession No. AI177638

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<400> 1017
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atctttccag gttgctttgc atcattaatc tgcattttta cttgatcttg caatttagaa 180
aagaatgcct gagatgactt taagggttta tcttttcggt catcctttaa caaggacact 240
ttgcctgttt tgggtcaactg tttgagcttc tcggaagctg ctgccctgct ggacttagaa 300
tgatctgggt tgctcttttc aagcaatttt ctccgcttct ccttctcctt tattttcaaa 360
cgcttctgat atttcttttt cctccgcttct cgtttcttgt ctgtagctgt tttctcagca 420
gctgttttta gatctccagc tttatttttc tccttgattt cctctggggc caggagggct 480
gcatcactga cactcactgg ggccactttc tccatgggta t 521

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<210> 1018
<211> 429
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. AI177790

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<400> 1018  
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 tgtggtgtgt caaacaaggt tgtttagggg agcaggccac atggcttgtt gtctcccacc 180  
 aacagcagcc tccagccttt caggaacgtg gccacaata gaggtathtt tgttttagtg 240  
 gtctcttagg caccgtaatt gaaacttaaa atagtatagc attgtctctc acatcctttc 300  
 ctcgagttgt atcccagatc gaatccctgg ctctgcgatg ggtacctgtt tacactggga 360  
 tctaacagcc atcagcctaa cagtacccag gcaggaatta ttatctactt aagtcactaa 420  
 tgagcaaga 429

<210> 1019

<211> 565

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177869

<400> 1019  
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 ggcatgaact tctgcccgat caggcacttg ctgcagcagg agcagaggaa gcactccgtg 180  
 gacgcgtgcc agctgaagtt attgtacgtc actcgtgca cttccgggtc gatggcattg 240  
 tggcaccctt gacacaccac agcatggttc ttcacatagc acggcttgca cacaggcttg 300  
 tcacggacca tcacgtatat ttttccggcc aggatgttgt cgcagtcaa gcagcagaag 360  
 tgcttcagat gccaatcttg gttttctgcc tgggtatact cattgctgaa ttcagctgg 420  
 caggaggaga aaaacaaaac ccgtcaggca tctctctcct ttaccccgca ggaactcacc 480  
 cagtcctcc tgatggccgt ctaagcctac aagggcagat gccttcttga gggctgaata 540  
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<210> 1020

<211> 647

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177885

<400> 1020  
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 cctgatctga cagtatacca aataaagctc tggacaagca cctcctaaag cttggaagaa 180  
 cgcccggcac gtctcctctc tcgcactcac tgcactacga aagactaaag agaaatttgt 240  
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 tttgctccag ttttagccaa catgctacat tttccttttt gctgttgctt tgttttaggg 360  
 ggaagtgggg tgaggaggtg cacaagtag agttgaagat ttccactgtt ggaaaaagag 420  
 aggactctgc aagcaaaact ggaagctgcc ttgtacctta agacctgaac attttaagac 480  
 agaagctttg caaaacatta cacaattttt tattattaaa tgagaaaatc tcatttgcta 540  
 catcgtcaca ttgctagtca agagaaatgc tgcagtgatg aagaaagtca atgttggatc 600  
 aaccaaagtc cttatttcta caacattcat ttacaaagaa ataatgt 647

<210> 1021

<211> 395

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI177911

<400> 1021

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aagggggtga aaggtcaaga ttttattgtc ttcataacaa aatcagctta gaactggatc 60
acttggccct ttctcttctt gtcacctcct agttcaaaat gcttgcattc cttaatagcc 120
agcactctct tagatctgca gttgggctca acgcactcca gtctcagcac aatcttcttt 180
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ctgtcataac gccgctttcc ctgggcatac aaagaatcct tgcccttctt gtactgcgtc 300
accttgtggg gttggtgctt cccacatttc ttgcagaatg tccggcgggt cttaggaacg 360
ttcaccatgt ttgcaggagc gctacccctc gtgcc 395
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<210> 1022

<211> 558

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178025

<400> 1022

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gggggtcatgt tccacatggg aacagagagg cacaagggtt tctaagtatt gcacagtctt 180
gaaaaaaaaa aaaaggagtt gggaggagaa gatcacatga tactgggaac gtctcacatt 240
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ctgcagttct tggaatgact attccattga agacatctta gtaacaggaa gcttcgtttg 360
agcaatccca tgtgcaaata ttaataggaa aatatataaa ataatgcac tcttgccatc 420
acccccggca attcaggacc gtatttttga gaactgtttt gtttgacact cggttaagct 480
gtgagtttgg cctgaagctc catctctgct gcttgcattga gcgcaacgct caccaggagc 540
tgaaatccac taaaatcc 558
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<210> 1023

<211> 566

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178027

<400> 1023

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tgagatagtg gccatgcaat gcgcctgaac acgtcttcca gtccgtcgtt caccatgtcc 420
accagtgtcg cctcttgctg gtctttgccg tagagcccga aggagtggcc caggtgccgt 480
aggatggcat tcgattggta cagagtgagc tttccatcct ggaacttggg gatctgcca 540
aacagacagg aagccttgaa tgtgcc 566
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<210> 1024

<211> 475

<212> DNA

<213> *Rattus norvegicus*

<220>



<223> Genbank Accession No. AI178073

<400> 1024

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cctgtgatga caacttcacc agctcctcta aaagcactgg ctccgaagga agcatttctga 180
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caggagacaa gttccgcagc tccgtttcaa tcccagacgg gcctaactct ttcagaaggt 360
taagagcccc ttcatactga ttattttgta atccttcttc aagtttcaag tagaaatttg 420
atttttgagc caaaatccca aggtttacca ccttaaactg ctgggggtca ctggt 475
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<210> 1025

<211> 599

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178214

<400> 1025

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aacttttagat ctaaaacgcc cctcggcagc cgccttcgcc tcacgccgtt cctgtaccat 180
cgtcacgttc cgaagagaaa tcaggatggc agcaaagctt cgctccctaa ggatctgaac 240
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tgctgctgta gtgaccagtg tttgggagag aacatcagtc ttcaggagcc acgagctgac 360
agagtgccat ccagtgcctt ttccgagaca caaggtgtgg ggcacacgcc atggagcgag 420
gttcggatga ggacagagga ggggtgctgt tcatacagtc tacttcaagt aaaaaaaaaa 480
aaaattcaca gataccatc agctgctact ttatgggcta acagtgtctt aatcggagaa 540
acgaatgctt tgcagacgct aagcacgctt ggaggagtaa ttaggggacc aggtggctg 599
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<210> 1026

<211> 660

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178231

<400> 1026

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acactaatac aagctgttcc taatacattt tctcatttct tatgatcaat gcttttaggg 120
ccttggttaa caagaacaaa atactttcta atagaggaaa ttaagaggta ttatagaaga 180
gttgtagaaa acatgaataa atcagaggta aatattgtga tttttcaagc aaagaaactg 240
atatacaag tcacctacaa agcaacacaa tgacttgtaa cttagtgcc tgcagtccaa 300
ggttcctggt gtttcttaga ccagagtctc ctaaccagac agcacacatc caacactcta 360
acgtgactac aaccacgaga caagctctca cggtgtagtt caggcttgct tcaaactcac 420
tgtgcagctc aaactggttt caaacccatg atcctctgct tctgcctcaa catctcaggt 480
gcaggctatc agacgagctt gactaataaa aggaaacagt tctgtcacca cagttactgc 540
taacaatatg caagcagtta agtttccac atagatgata ggcacatgcc aactccaaca 600
tactaaatca gaaaaggcag gcatgggcag acagtgattg gtaagagaac tgttacttcc 660
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<210> 1027

<211> 488

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178326

<400> 1027

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tgcctagggg acaataattg tatattcagt ttaacagaaa taaaagagta tttgtcttaa 60
aatgcaagat tttgagccat gcaattaaat tgttaaaaaa aaatttcaaa actgaaaatc 120
ctttgctatt taagggtctg aatgtttcag ctttttaaag gaaagcagag atgtatggta 180
cagctccctt gcaagagggg attcagattc acagttaaca tgaaaatcat gtagcagacg 240
tgtgtggagc attcttcgta cactggtttg cagcagtgac attcacacag atttcccagc 300
gtcctggtaa gcccggtgtc gcagccttac cttcccacat cgtggaaata caagttcgca 360
catatacaca gcatgatgat agaaaacaag atatatgtaa tgagattcct aaatttcggt 420
tctaagtctc ctttgcgata ccagtagata agtatgcagg cagtaatact actcaaagag 480
atgcagac                                     488
```

<210> 1028

<211> 552

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178483

<400> 1028

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atthttgtaat aaaattttatt agctgtctat gtaagacaag ttgaagaatt tgtagatttt 60
ctcaccctaa aagagccaaa cacaatcata tacatctaac atattccagg ataattttta 120
actatgtata atatatggg ctttacaat tcaatatatt ataaatcaaa taacatagca 180
cagtcatact attatttga cagataaacc acacattaag aaatctgctg tgacttttaa 240
aagaaaagggt aaaagttaga gaatctctaa tctgaaaagt aagacaattt ctattggctc 300
atthttttta aaaaatataa aatgccctt ttagactatc tttggtcttt ttagttaaag 360
agaaaaatgt gtttcatttg ttcttagtct aatcttccat atctaaatgt ctaaaaataa 420
ctcttaagta tcagaatcca gggatgtaag ttttgcttta aaaaatacat agaactctaa 480
tggtagcagg ttataatccc acaaaaacct taccatttaa gacgtccctt atttaaataa 540
tggtaatgcc at                                     552
```

<210> 1029

<211> 552

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178491

<400> 1029

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tttattataa aacttgccaa agatcatatt aaaaacaact tgcacctgat atccagatat 60
ggtggcactg ccctggcccg ccctatcact accaggcaaa gagcccaaag tcttacccaa 120
agtttccttc taagctgctg ggcacacacc atggtgatac cagaagagag agcacgatag 180
caaaccccc aagaacacct agtactattg aacaatgaca ctgtcataaa cagtaaagag 240
ttacagaatg cagagtgaac cgtcgcaatt acatgagcac agcttctttg cgtatactct 300
aagctacagg acaggatgaa cactgcatct ggtcctatag tgatatgtgc aggagaaaca 360
aaccacacag tataactgt atgtgtatgc atccttaggt tctgaggaca atgtagcgtt 420
gaataaaaag ctagtgaatt tgccacttgt cctgctccag gacagttacc gtcaaactca 480
acctcactag acttgaatgg ctacaaccag cttatgctcg cacatttacc aaacagagag 540
aaaacttaaa aa                                     552
```

<210> 1030

<211> 586  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI178507

<400> 1030  
acaataataa aactttttaat gcacagtcaa ccaaaagatg catataagca tgatggaatc 60  
tttgctcaca ggcagcaaag aggggttagaa ttttaacttca aacaaaagtt cgggttggtgc 120  
atttaaaaat cacaaaccat tggagttgaa gggaacaaaa gaaaggaaaa acaacaatgg 180  
aagtgtcagt gaccataaca atgtgatggg ataattaaag aaaggattca agtattgtaa 240  
agttcttcag acatgtcttg gaggtttgtg catttcccat ctttgcatag taaaaaaaaa 300  
agaaagaaaag gaaggaagaa agaaagggaag aaagaaagaa agagaaataa gaaaaggaaa 360  
aaaagaaaac acatcacttg gcaaaactcc agcactctat gtgactcctg ttgaaacatg 420  
cacctatggg actgtcact tagctggtag aagtaggtct aattcagtggt gttcatgcac 480  
tatcccggtg gagcaatgag gtcagcgcac acctcctcgt cagtgtcgca gtaaaagtag 540  
agcaggtgaa gtgggaactt gggcatcact tgacactctc gttggg 586

<210> 1031  
<211> 552  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI178527

<400> 1031  
aaagcattag tatctttatt atggcataat gcagtaacttt atacagtaat tcatttttaat 60  
gtaaaaacat tttatgtaca atttcagaga aacaactata tagacagctg gaacataaaa 120  
acaggtaatt caaaagtcca gagttacttg ataaactgga aaatattttc tctgtagaaa 180  
atagtaaaaa tgataacatt tcccactaag cccattttaag ccaaataaga gctgaattat 240  
acataaatat tggatagatt gtgtgaccca aaagaaactt ctcttgcttt atttgaaaag 300  
ccatattttta tttaaattgt gtcaattgaa attctttcct tctttccctt cactgttttg 360  
ttttccgcag atcatttttt ctatagggtg acccattaat tcaaaattca aaagggttta 420  
gttttaggct gtcctcttgg aagtagagcc agcatgtcct tctaccatct tgaaatggcg 480  
aattcttacc caatagtga atgtttcatt aaatcatgcc catattttatt acaagccaga 540  
gagtcgtcaa ca 552

<210> 1032  
<211> 603  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI178531

<400> 1032  
acacctgagg cccagcaatt cagaaaccat tttatttcgca aagcacattc actaaccaat 60  
tccaaatgaa atccatagc tagccaacta cagggttcaga aatgactaca acaggcaaaa 120  
accttaaaaa ccagtatcag ctttttaag ttaacagaaa taaaatgcca tgagtattta 180  
agtatatatt tgtaacttaa aagaaaactg gtaaagtgtc atcctgtgtt ctgcagaagt 240  
ggggactacc caccaaaggg taccatgttc tttactgtgg taaagacagg attctctcat 300  
cacttcctgg ctttttagtat aaattccta gactgcagaa tacattacac ttagtaaatg 360  
caatgtttgt gttttacttt ccagaaattt aggaaaaatt tacagaagca gatatcaaaa 420  
agtgatttaa tgccattaac aatcaattca aattttaaga gaataactat catatttcaa 480  
aattccctag tctataccac actcctcccc tcccataaag ctcagggaac atggaagaag 540

aggagtgaga gactgtaaga gtcagaagtc caggaggcat ggataaactg acatcttttg 600  
ggt 603

<210> 1033

<211> 503

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178533

<400> 1033

attcttttatt ttcaaaattc gtgtcctaca tctcccgaac cccgcgccac gcccctagct 60  
gtccccgcatc ctgggggtccc aggcttcttg actcgccaga catcatgatt cacacattcg 120  
caccgtcagt agatcctcca ggaatgcagt tggtgtgcac cccaccatca ccgccccgat 180  
acccgacatg gcagtagaga tagtagacgc cgtcctgagg cagcgccagc ccatgggtgc 240  
gggagaactg cgcaccggtt ctcagaaacg cttcttcttg gctcgcttc cagctgagcc 300  
cttgcccgtc catccaagcg cctatgaggt gggcagcagg aagctcgggg ctgaagtcag 360  
tttctgggtc ccccaatggc agctgttgaa cccctggatc tagtatagaa tccacagctg 420  
gggacagggg ggtcacccat gcagatgcct cccgagaggg ctgtgcaaca aggcgctggg 480  
atgtgggatc tagattcctg gaa 503

<210> 1034

<211> 574

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178573

<220>

<221> misc\_feature

<222> (1)..(574)

<223> n = a or c or g or t

<400> 1034

actcagacac ggatttaata attgtagaaa tccaaagaat aagcatcaaa tctcgaagtc 60  
agagtgaact cttgcctgcg ggttggcttg actacgcca gccactgagc tgcctcaacc 120  
agccagggat ctatgaggct gacttctgtt ttcattgatgt caccatatgt agtatgtatt 180  
ttgtctcaat aaagcatttg taccgatggc tctggaggca gcggtgctga ggatgagctc 240  
actgctggga gtcggtcttg aggaccact ggagtgaag ctgggttggt ccttggacta 300  
gcttgaacac tgtaggcaag taagtcatgg acggcacctt ctgcctcaaa gtgttacact 360  
ggaccaatgg cagtgaacat gtgttcatag ccagacattt tggacattgc taaaatgctt 420  
gactgtctga gatctttaag gaaatgtatt actttaccct nccagcttag gctgaattta 480  
cccaagtatt cctagtcctc tagtcccagt aacacactgc cctccaatcc gtcttggtta 540  
cccagggagg aatgaaagaa agggtttggtg acat 574

<210> 1035

<211> 635

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178602

<400> 1035

aactttttat agctttattg attattaccc aaatttcaat atatttcaaa taattaaata 60

```

ctgcgaaggg acattaaaaa tacaaactaa tttaacaaaa taattgtatt ctgagtatta 120
tgtacaatat aatacatttt acattacata tggggctttt atacataaag atgagatatg 180
atztatgggt actggaaatc caaacaataa ttgaacagaa cttttctatg catacaaaaca 240
caattgctca gctgtgaaaa tcaaaacat acataagtgt ggttattaaa aactaaaact 300
acattcacct gataataaca gaaaatgaaa ttgcttttat ttttttgaaa gtaccacaca 360
cagattaact gtggccatt tcatgtgtt aacaatatcg acgatctaaa ctaaaatatg 420
tgctcatttc ggggaaaagt ttccaatttg cgttttcttg taaaggatgg atattattat 480
tatttatagc cattagaatg ccttggtcat aggccaaagg aggtcaattc tgggtaaata 540
gtaaagccac taagggtggg gtgcctatca tagtgctata gatattttac catatactct 600
taaaaataat catattaaac tgtagctttg catgc 635

```

<210> 1036

<211> 438

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178629

<400> 1036

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aactgttttt cttttattgt acttagaagg tatccgtgag ggctggctaa gtgagagggt 60
aaacaaagat gtctccatag cctcagagct ttgtctccag cccagggttg acccgtcttt 120
ctcctaagac tgaagtagcc ccaggtcctt gagtctgcca gtcctcagg gccgggagga 180
tgtctgcccc gcagtgatca agagtggcct ctcgggtact gtgcagcagg tcaactgacgt 240
cagtgtcttc cactttcacc caaccgtctt tcttcatgtg gtacatgttg acaactcctc 300
cagaatagct gtctctgtgg gtagcataaa caatagctct tcgggcaagg tcataggcct 360
cctcgggact gaaatcctgc cgttaccac tgtccataac cccgtaggca taggtgttcc 420
cgctgcctgg ggaaaaa 438

```

<210> 1037

<211> 501

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178635

<400> 1037

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aaaggagtga atgttttatt ctttagtggt taatagaata cataacaagt cacacaatca 60
atgattcatt tcttcacaca cagcaggga accggcagag tgtttccatg acacaactgg 120
ttgtgagtag aaggaacgga acagcatttg gatggatgaa gacaatttca aaagtgtgag 180
cacctctgaa aagatttcac ccatgtgttt ttgtttcctt gctgatatgg aggggctttt 240
attcttgggt ctatgtttca ctagaaaagt gggatattag gatatttttc cactgccct 300
tagatttcta agaaagagct caaagatatg tatcacctag caagtgacgt ttttcaacat 360
gtcggaatcc aaataattac tacaaagagc aagttttcaa ataccagaa aatttaattt 420
acatgttcaa aatgtatgcc cgtgatggat gtttcaatcc tgtgtcatca aatggatact 480
aaactggctg taatgaaaga c 501

```

<210> 1038

<211> 487

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178734

<400> 1038

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caagtgaagt aaattcaatt tttattcttc tttacaatac atggatatgt ggataaattt 60
ttctttttaag agcttgcaac cctgaggcaa tgctgtgggc acataatgga taaagcaaca 120
gtgaatggaa tctgaatgtg gtaaggacat ggacttggaa aacataattg aacatcgtga 180
aattgcagtc tatgctttct ctgggtctctt aaccagcta tctctcagcc atctcgaca 240
ctagacatcc tgactctacg tacacttttg tcatatataa tggcttcctt ctgactgaaa 300
tgtaataagt taacaggatt tgtatctaag gggctctttat ctgggggtgtg tattgccaga 360
agtgtgcccc attttggacc acataaaaaac tttggcccca aaggaagctg gctgccatct 420
ggctgtggta accgtgaggt ttccgagggg cccctgggag ccccccacagg ataatttttc 480
atccggg 487

```

<210> 1039

<211> 587

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178736

<400> 1039

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ggccatttca taatttcatt cttttttaca gttatctcaa aatgtaagaa ttagatctga 60
ttgaaatgct acatttagta agaaaatcag caaggaagtg taacccaac atgacattat 120
ttgccaatca gaccagtggg ggtcctccgg gttagggcag gagactgact ggatagacca 180
ttagaggaag gagccatgcc tgagaaccag agccagccca gagtccaccc tggtcacggg 240
cagctgaggg agctgtttta gagtatctat gaccatgaac acagtacaat ttgaatatcc 300
caaaaaaaca ttattgcagg agccatggca gggcaggcaa aagccaccc agtcccaagg 360
gaaacaggcc accactacag aaggggacca caagttgatg atgttcaagg caagtcaaca 420
tcagggctct gggctccatct cattggaaaa gggccttcgt gttcgtgttg ggacggagca 480
tgtgatgtc tgacgcaatg ccgtggctga agtccagca cagcttaca gtcaggaagt 540
agtttgtgca gatttcctta cacgtttcaa ttattagtga cccctat 587

```

<210> 1040

<211> 563

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178740

<400> 1040

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aggatcgcta ttttattgtt gccctttccg ttacatgaat gcacacatca ggtgttaaag 60
gtacaataca ttctacaact gagcaccact ttctgtaact caacaggcaa aggatcacac 120
tgaacatcag catctggcag tatttttggg aaaaaaaaaa tgactaaaat ggggtttaa 180
tgattaacac tattaatatca catctaatat ttgatactac atgattcaat acagctatac 240
gatacaatta tacaaaatgt gttaacatca aagaatacaa ccaaaattaa gatagcaaac 300
aaaacctata taactttttt ttgtacagga aaaatacttt tgaagtatgc atgtaactgc 360
ccattctttt aaagaaaatc taccgcaagc aagtcgtcac cctccagaaa gtcacacagc 420
attactaagc atatcccaa aaagtgtaca atatgcacac ttggaaaata caaaattaaa 480
aaaattgtaa gcaacagggt agcttcgtat ttataagaat gtgaaaagaa gtcccatttt 540
tagcactgtt gtataaagaa ttg 563

```

<210> 1041

<211> 656

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178741

<400> 1041  
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atccctagcc agtcccacat gttgggcctt gatactgaga acattgtggg ggagggagag 120  
aaccttgaaa cagttggagg gaggctattg ggtctactga gggttagggg tatctgaatt 180  
caagggttca gtgtggtcag ggctgaggac acttggaactt aggctcaaga ttgaccagg 240  
tattaaccta cgttccaagt tgtgtggggg ctgaaaaatc tttagagctc aagatttgag 300  
gatgtcttgc cttagggcct agctttgaag tatggaagac catcgagtcc cacatttggg 360  
tcaggggagt atcttggggg ccagttttga gattggccac agatgctgtg gcttagaaat 420  
ccagtttcaa ggctggatgt aagcgactga gtctcaaatt gagggctgag gaagcctgtg 480  
gtccctcggg gacgggctag aggctaagag atgaccagtt tggggctgca gtgagcagtc 540  
acaggtgcct tttcttgagc aggccagagg gctctaggca cctgttttaa tgactaggaa 600  
aggtttggtc ttgggtgtgg ggggtgggggt cctctagatt cagagtataa ttgcca 656

<210> 1042

<211> 542

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178746

<400> 1042  
aaaaatagag tgtctttatt ggtacctgtc agctcaggta caatgtgttc tcacaagcac 60  
acaggctggc aaggcctcct gggcaaggag gcaggcccag agcctgcgtt tcttggcaca 120  
cacacacaca gagaaatgaa taaattatag ttctgacact tagagacaat ataaaaatgc 180  
atataaaaatc caacatcagc taatgaaggg cataaaaagcc cccaagagcc acctctttct 240  
tgccaactgg ccgggggggtg tgtggtgggt caggatggat tcagtgccca gaaaggctag 300  
agacagtgat ctgggggtgtg cttcatgtct tagggcctct ggctcccat cctacatagg 360  
gcctttataa cccatggcct tggggagagg gaaatggaca gagggcatgt tagagcgtct 420  
gggcaggggg cagagggagt tttgatcacc gatggtcaag cacagcctcc gtctgctcag 480  
ctcgaaccta cacgccacac cgaagcccag accggcgggg gacaccgaag actttgcctc 540  
aa 542

<210> 1043

<211> 485

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI178756

<400> 1043  
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gttaagcctg agtttcataa ggatagtaaa cttaaggagg ccacgaagcc tgaagacaaa 120  
ttcaggacag gaaagggcaa aacagccagt tccctgggtg ctttctctac tggaaaatca 180  
aacatgtatt cttactccaa cagtcctgtc catgtttgca tgtcaccaca cttagcaaaa 240  
cacaacgaga tcatatatga ctagaactaa gtgcatagaa cgctgtcagg atcactgctt 300  
gctcttctct tttctcagtc tttttttccc agagctttca ggtgctggag tcttttgtgt 360  
gtcttctttc actggtgaca caggcagttt caaaatgatt tcatcatcgt cattgatatt 420  
catcaactgt gatttccgtc tttccaaaaa cgttgggtgta caaactggcg taggatcctc 480  
gtgcc 485

<210> 1044

<211> 687

<212> DNA

<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI178784

<220>  
<221> misc\_feature  
<222> (1)..(687)  
<223> n = a or c or g or t

<400> 1044  
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tatatacata gtcattaagt tattaattag tctctgtata aaacgtttct acattagtgt 120  
tccgagctag gccagtcag tccttggcat attcacagta gcagccctag ggcttggccc 180  
atgggcgggc agtgaggagt ttacagaacg gccagcccag cagtgagcac agatgtcctg 240  
ggctgtcac cctccagtc ttggtccctg tcttgacata ggaagaacag ctgctcagtg 300  
caagggcaaa aagatcccat gccctaattgc tacctgggtgc cccaggtcct ttgtgcggtg 360  
gcttcaggca acccggcaag tcctagagaa tgctggccag ctctgtggag tctgtatccg 420  
agcagcctga gctgtgtggt tcctctcgta aagcctgcag agctttcttg ttctgtcgcc 480  
gcttctcttc atcaatgggg tacagcttga agagcagcag gcccagcagg atgaggatga 540  
taggagccat ggtcaccagc atcttcagtg taaacttgac ctcttctggc tgggagcacc 600  
cctgcgtctg gtacttagca nagtcgagac tgagggtaga gacaccagc gagactccag 660  
aggcaactt ggtgaagaag acataga 687

<210> 1045  
<211> 562  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI178819

<400> 1045  
accattaat cagattttatt atcaattcaa tttgaaggca attttcaacc ttttaataagt 60  
tatattcata tctgagattg tttaagcttt ctcatggaga aaaagaaacc aggcagcagc 120  
tagagctgca acccaagttt tcttctgtct atccttaggc atttgtactg tgtggaccga 180  
gtgactgggg ccaggtcttc tttctatgaa acagagtctt actgtgcagc cctcgctggc 240  
ctagaactca ctgtgtagac cggctgctgc ctctaagat ctgagatttg gttgatattg 300  
tcctctagct gctctggctc gttactgggc agctgatgca caatttcttc tttgtaagat 360  
gccatggctt ctcatagag aacttgaaaa atctcacact gaatattatc ttgtagtttc 420  
ttctcgtgat aacccttgt ttcaagtcgt ttgtacaata taccattgtc tgtcctcaac 480  
acgaacacta tatggaacca gcgttcagga aagaaatcac aaccgtggta atcaacgatc 540  
acgccgccct ctgtcatctg ag 562

<210> 1046  
<211> 603  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI178828

<400> 1046  
cagagagtaa acggtgtcat catatcaact tggaaacagt tcagacaggg cccggctgtg 60  
ggcctagggt aaatgtggct tttatttctt ctcaaggaaa gaagtaaagg gtggctttcc 120  
caggtacccc aacctaaagt aagggtgggtg tgctccagag gttggggcta gaattgccag 180  
atcattccga cagactcttc tgtgtccact cgctggcgct tgatgcaggg aggggtgtagg 240  
tgagagtcac tcccctggag tagcagctca gtatcaacag aggcacaagg aggtatgtgc 300



tgggtattcac aaaatggaag gcagagcagg tgccctgagt gaggagcagg actgggtggc 360  
 cgatccacac ccagtgtctg ccgggtacaa ggcctgactg ctgtggctct cctcccaagg 420  
 gccccagggg cccagaagca tcaactgcgtc ctatggctgg tcccttaaat gtccatctca 480  
 aactgtgact cttcaccacc tgcccgttta tcttcggggc tgctgtgcag atggctctgg 540  
 ctggcctgca tgggaggctc atcgctggta gggctagtga cccctggaat gggtggcaag 600  
 tcc 603

<210> 1047

<211> 380

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178850

<400> 1047

cactgcaaat tgtttattaa aacacaaagc aatggacagt gaaaacatcc tgactttctta 60  
 ctttttgggtg ggagtgggtg gggcatggaa gggatagaga cggatggaga cagcccagaa 120  
 ggagcgacag ctctacctac ccctgctgct ttcctggcca gccaggttca aggtccctca 180  
 ctacaccttg ccacgtgct gtagatgcat ggcgtggccg agtcaggctg gcctcgcagg 240  
 gagagatgga aagaataaag cgctacaaag gctaaggact tgacgcctgc tctccagaac 300  
 tggattccac acaaagcagc caagttcata ctgagggaca agccaggctg ggccaacagt 360  
 ggttgaagag gctaccctga 380

<210> 1048

<211> 309

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178868

<400> 1048

tttttttttc aaactttttt ggtgttttta attccaaact ctaatgtgat catcctttac 60  
 ctataactaa ttcttcaagt aaggtagttt ttgttttggt tttcttaaga gggaggggag 120  
 gcagggatga ggacagtagt tgagtttgga gagaggcaac ggtgacggga ggccctggga 180  
 gtgccagatg gccactgcat ttctctggaa gcagtcgaga accaagatgc caatgcaatg 240  
 gttttctctg agtcgcaagg ctttggaag gacgagtga gtggcttggg agcaacagag 300  
 cctcgtgcc 309

<210> 1049

<211> 340

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI178872

<400> 1049

cacttgatg aagttcaacc ttatacaatt ttaagggtgg atgtttggta gtgtatctag 60  
 aatcttttaa aagttgagtt tttggaatgt acagtatatg aggtaaaatc aagattacat 120  
 taagaattgt tttctcctct gcactaacat tgcaatgagg ctcaaattggc aagtacacta 180  
 ttaaatgaca ttactatca aaaataggag ttcatattgaa ttactatgaa taacataagc 240  
 cactgtgtgg cacatttcac catttttagac attcaactct atagaaatct ctgggctctg 300  
 acactcataa ctcatttgta ctgccaaatg tggcacttaa 340

<210> 1050

<211> 633  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI178944

<400> 1050  
tgtgtttttt tttatttttt ttcttttttc tttttctttt tttggagaca ggatctcact 60  
atgtagcccc taggtggcct gaaacttgct gggtagacca ggctagcctt gaacttaaag 120  
aaattcacct gcctctgcct ctggagtgtt gggataaaaa gtatgcacca ccatgcttgg 180  
cagtcctgga atgcctaccc cctggccacc atgacatagg tagaaaagca gactgaatcg 240  
ttcctcgctg gcaggtgagg gtctcacaga tgaactgaac cagtagatgt tctgcacctt 300  
ctgtgctaca ggaagagaac tcagagctgc ttccaaggct ctgacgctgt gtgcagggtt 360  
agaggccaat ggtataggag cgaccagtag ggttgtgaat agaagaacag actggcgctg 420  
tcaccgcccc ctctgtaccac accttcttag aattgctgca tcgccagaaa cgcacacaga 480  
tgttctggcc ttcattgcacc gtgatgggtt gcttgatggg gaagaagatg gggaaccatg 540  
agaacatgcc aggagagtgg gtctctgggc ggatactcag agtgatgtcc cggtaaagca 600  
cagtttcaaa gtagcctgca aagccatgaa gca 633

<210> 1051  
<211> 570  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI178968

<220>  
<221> misc\_feature  
<222> (1)..(570)  
<223> n = a or c or g or t

<400> 1051  
aaactgcaca gcgacattta ttgttccagc ctngaaaaaa catccctttg aaatttcaca 60  
cagcaaagca agttaaaaac ttcactcatc aaataaatga taatttaaac aagaacttgc 120  
taaagaaacc tcatacaaac aatgctttag ggcctgatca ctttaagtcca cagggccatt 180  
atgaatttaa atctgcaagc cgttttccta caacaagagg gaggaacatg tttccttgac 240  
tcaggtgaca cagaaaagaa atcatgattt ttttcttttg ctgtaacagg cagacattga 300  
tttcttggtg tgatcaggaa agatggaatg actggtggcc ttctcttgct gctatcaaca 360  
gtttgtcacg cattatctca atgctcgagt agtccggtaa ctttaagatag ttcacacaag 420  
tcattacaga tggttaagaag tcatctgggt tttctgttga ttcaaagtgc ttccgcacaa 480  
tcgtcagagg tggatttaaa ctccgaaatc ctccgactgg caatcgtggg ctaccagtca 540  
caaactggag aaacaacctc tctctgtgcc 570

<210> 1052  
<211> 445  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI179093

<400> 1052  
cacaccaga gtacatgacc tctgtacaaa gaaaaataga aaaggtctgg acgatcacat 60  
ttgtttacgc tacataattt agaataaaca ctactgggtt ggtttttctg ctttgtaacc 120  
taatgttttt agttctgctg catttggtggc acgagatctc attttccttc cttacaggta 180

```

aggacattgg cagcagcaac attacaatth aaaggthaac aggttacaga tgtcctaact 240
gtactgcgaa agatcttttc ctctccccc tcccccttca ctctctccat gacttcctga 300
aggaaatgta ggtacttttc catgggggtgg cccgttttga gagagcacia agacaaggta 360
acatagttht agttccctca cactcatctg acaagctgct tactgacact caagacagtg 420
tcttaggcct aggacagcca ttttg 445

```

<210> 1053  
 <211> 467  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI179099

```

<400> 1053
ggaccattta aaagagaaat ttattgcctc aatattctgg gggcctggaa gttcaacatg 60
ttagcagggt gctttctcct gaggccctt tccttggtgt agacggccat ctttctctgt 120
gttcacatgg tcttcacttg attctcacct ttgtcctgat ttcttctgag gatagcagtc 180
atatcagatt aaagcccatg ctaaggatgt cacttaggta tttatttccc aagacaccaa 240
gacagtcacg ttctgaggtt gtgggaactg ggacttgaac tgaagaacta aagctacagg 300
atttgcctct taagagaatg gaaatgtatt tattgagata atatacttaa tagcccaaatt 360
gaacaaactt actgaaaatt ttaaccataa ccgagtaaga tgtataatag attcaaattg 420
cttataaata tatattatga tattttgaag tgccttttcc tcgtacc 467

```

<210> 1054  
 <211> 429  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI179100

```

<400> 1054
gttatggaat ttcttattaa taccttaaaa aatttaaaaa cataaaaaaa ccccaaaatc 60
aaaaaaciaa aacctcttca aatgcttaag atgctgaacc tagagaagga gctaaggatg 120
cagccaaaag gaaatgattt aaggacagag ggtgaataaa gagagcaaag gtggaagacc 180
atgatgtttc aaagctggca aggttggcct caatttcttt tcttctgtct ggatactggg 240
tctgttctta ggtaccggag cccaactagc ataccagga ttgagaaact tgctaccatc 300
aaggggtgcc gcacaccaac tgtgggagcc gctgttccaa atacaaacia ctccgagagg 360
aagtgtccca gggcaaggag gaatgtccac agtgtgatgt gataaagtgt tttgttgtgg 420
atgtcaatg 429

```

<210> 1055  
 <211> 632  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI179144

```

<400> 1055
acaactttat tggcaaaaag gggagaactt caaacatctt tcatacaggg cgctgtagct 60
gacctgttg gattgaacia gtcccagtc catgtccacg tacaatactg aacctgcata 120
tgcagtttcc cattctcatg tccacgtaca atactgaacc tgcatatgca gtttctttha 180
tcaagtacag tgctcacttt tcaggtcgtc tctaaaacat aaatacaaag gaaaggaagc 240
cactcattaa aaactgcata aaacacaagt attttaagtg tgaatttgtt gttcctggaa 300
attacacatg cccaaagaaa acaaaagctg gaaaagcggg tacacttcct acatgagtgg 360

```

```

acagttacaa caacaatcgt cttctgtaat gagcattttt aatttatcac caactactct 420
gaacttacta agagctgtag tcagagtcag aagagaagac gcagggagag tattcctttt 480
ggaggacaga gtcctccag aatcatcacg gggaaataaa catcctgttg attccgggtg 540
gcaaaacaat taacgttgtc aatctcagtt catgttgatc gtactgagcc gacctaaatt 600
tcttccttgc cgtcattctt ctaaatacaag tg 632

```

<210> 1056

<211> 261

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI179167

<400> 1056

```

tcggtgctcg tgtaagggtt ttcttttccc ctcaaatttt atttcaataa aaggagactt 60
ggcgaggtg gattcccat agccggattc tccccctccc cccgaggggtg gctaattgcta 120
tctggggatg tcttcacagg gaagagagaa ctatgggtgg gtcctgcct gaggtctcca 180
ccctcagccc agcggacata tcacaggcag cttaaaaaaa aatcctaaaa aaaccaaacc 240
acacatttaa atcctcgtgc c 261

```

<210> 1057

<211> 566

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI179206

<400> 1057

```

tttttttagg tattaacat tttattttaa gatcttaatg taaaaaaatt atacaaatgc 60
ggctacatta tagtgaacaa ggcagtgttc tacatgacaa aaatcaaaac aagtttctaa 120
ggtgagtacc gacaacaaga acacaggact agatatccat ccagctacac gtgataaccg 180
atccaaccac gagcttatgc aaggtaagta atttctatga caccaagtgc caatcactgc 240
ccgtccacac tgcattcccc tggcaggatt ctgagaacat ttccataaca tacagatttg 300
gcatggctcg gaaggacaga aaacgagaac tgaactaaaa tcattgtaat aattctgtat 360
aaagcatata tagtacgttg tcttattagt tatcaacaac aacagaaaga tttaaaaaca 420
aagaccacct taattatggg gagaacctca tcatagaaaa atgttcatca tttgtatggg 480
attggcagaa acggataagt tttgttgggg atgagggcag ggaagacata taacttgaat 540
ttattcatct aaatttgcct cgtgcc 566

```

<210> 1058

<211> 541

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI179236

<400> 1058

```

gctgtggatc tccatggtga gtttaatgtt ttccggaaag agcaaggtag agcacaggag 60
gcagcagcct ctgctgtagg cgcgcccacg gaaagcggct tggagtgtct gaccagcaga 120
agcctcttcg gaggcggctt acgtacacac tgagctccag aaggagaagg atcctaacca 180
agggccacca ggaagcagca agcaaggcct agttggcaca aagcagatat ccagtggccc 240
gggccctggg gatcaacctg gggtagatg ggaatgaac acagattctc tgcaatcaga 300
gagtcagccc cgaggccatc cctgagtctg agctggcagc gggatatgaa tttcctgttt 360
cctcttctac cacttaggaa gatcttttaca cctccgcccc cagctctggg acccaaagga 420

```

```

agtcacctatc acatggccat aggctgagag gctgtgtcag ggctcggcag gtctatcaga 480
ctcaccagct cacataacca catgggatgc tgaactggga aggagcggga cacagggcgg 540
t 541

```

```

<210> 1059
<211> 547
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI179264

```

```

<400> 1059
aaattttctcc aaatctattc atgggacaac agatacacat ggggtataaat aaaatgctca 60
tacaactagt tagtgtggtg agttcctggg catcctaaca ggcccgtgtaag caaaggctgg 120
ctctccccta ctctttttta tgtgaatata gacaggagtc cttgggctga ggacacccca 180
tactctcaca cctaacctga atacctgccc tgtaagatga tcgaagaagg gctgtgggta 240
gagagccatc ctccactttc tgtaagattt gcttgcagga gaaggctcga gcctgagaag 300
ggcatctctg aagaaagatc aaggagtggc cagtgcgggg gttgctctgc ttgagccatg 360
tggttcaggc aggaacatt gctggggggc aggaatgtat gttctgagct ctccaactgg 420
tttgtgctgc ccattggtag ctctggctgt agggcagaca gcttcggctg atgctgggtc 480
tcgctgggca aggcacgaat cttgcggtgc aacacaacat actcagcggg cacactcccc 540
ctcgcac 547

```

```

<210> 1060
<211> 493
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI179300

```

```

<400> 1060
ctagatttaa ttactttatt aaaccgacat ttctgtaatc aacaacaact acttagacag 60
accactgct gtctgattat gtccataggt caggggtggt ctgcttacgc atttggtgcc 120
tcataattaa gttcagctaa cactagggcc tatagtttgc tgcagtgag accaggtctg 180
gtcttgacag taaagccacc atcaaaagct gcattgagaa ctccatccag gcagctcgct 240
gtgacaaaac ttagatcctg tttgacgttg cttgggatct cctcgaggtc cttttcggtc 300
ctctgcggaa ttatgatatg ctccagtcct gctcgggtgtg ctgccaggac tttgtcttta 360
attccaccca ccggaagaac aagtcctctc agtgtaattt ccccgatcat ggctacatct 420
gagcgcacaa gccgcccact gaagagttag gcgagacaag ttactatggt aacaccagca 480
cctcgtgccg aat 493

```

```

<210> 1061
<211> 632
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI179381

```

```

<220>
<221> misc_feature
<222> (1)..(632)
<223> n = a or c or g or t

```

```

<400> 1061

```

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tacaaaataa tttattacag caaacacagc atcacaagac tatgtacaag cacaagcac 60
ctgactaccc tattaaggaa ctctcttctt ccccttgcc ttacggacct cttctatcag 120
gtcttttaga tactgaatct ctttggcgag agaatctgcc ttctctttca gagcctcggt 180
cttcttttct agctctttac actcgccagt gagggcttcc tgctcagccc tcttcttctg 240
gcggtaccta gtagctgctg tcttgttttg ctccatcttt ttcagcttct tatccaactt 300
ttcagtcttc acttttagctg tcacactaac tccaggtggg tcataagggt tgggtcgaga 360
accacgagga acacctggag aaggcagact gtctgggtggg gccctggagg tgggaagggt 420
gtgttgggga gagcccaggt aggactcagg gctcatacag atgccactgt cactatcaga 480
gggagtgtct tctctcttta cacactgaag ggtagagta atataagcag cagagtcagg 540
cttctatct ccttcagaga tatcaacctc acttcncagc tctaaactaa aggaatgatc 600
tggagtggaa gacagaaacc tgggaacaa gg 632
```

<210> 1062

<211> 450

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI179415

<400> 1062

```
aagtgcgagg cagggcacgg atggggaagg tctacatctc gttcaggtcc agcaggggtct 60
ggtccagcat cctttgtgta cagagatgct cctctttggt gcacttcage ttatcttcca 120
agtcacatcaat ggtcttttcc agtttctgca aagcagtggc aaggcgctcc tgggcgcggt 180
ccagctcctc ttcaaccagc tggatcctgc ggttcaagga ggccacctca gcttcagcct 240
gctcccgggc ccgcttttct cctccactt cccgctggag gcgctcgcc ctctctctcg 300
catcatcagc ctgctgctgc agaacctgga tcttgcgctt taccgctcg atggtggtgc 360
tcccggccat ggtgcctacc cagctgcttc tggaaatcag gttcctacct cctccgctcg 420
cggttgtagc cgcttttcac cctacttccg 450
```

<210> 1063

<211> 490

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI179498

<220>

<221> misc\_feature

<222> (1)..(490)

<223> n = a or c or g or t

<400> 1063

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ggccaaagcc atcctcatcc agatttattt cctttatgat cattaagact gtcacttaaa 60
caagtagtca aaaatacata aactctgatt ttatagactc taaaacatta aggtacaaaa 120
agtaagtaac atctacaatt agcagaacat ttatgacata taatttcag tataggaaaa 180
caggtagaga ggactacaaa taaattataa cctgaagaca tactataacc tgaagacata 240
catataaaaa aagccttggg ttattttatta gaatctccca gaaagggtgaa tgatgctagg 300
acactatcaa caatgtgagc acaatctgac agcattttct tccacttcta ggctgtgcta 360
ctagcttaag aggcactgga cacagccagc ttcttcaa atgatccatgaa cacctgcagg 420
ctgacatcgt ctgtcaggat gggcgctcca gtttctgtg cccaagcata caggttattg 480
tgtgtctgag 490
```

<210> 1064

<211> 368

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI179519

<400> 1064

```
aaacccctca atttttagcag cttttaattt tttaagaaac tgaacctata tcctgtaatg 60
ttaagatatt ttatatatag ttttcagcag gataaaaaaa cgtaagacta tttgaaggca 120
agaacattta ctccctctcat tctgtgtaag gagagcaatg cagcagggtgc gtgacaaaaa 180
tattatacac tagatatggg ccaaagtcac tccgtttgct tgtttaatga tgttcaaatt 240
tcattggcca gttcttccgt ttctgcagaa ctatctccgt taactgtgat cttcatatcc 300
tcttcatatc caggaggcat gaaagccaga gcataaggga aaagcttatg acaactcacc 360
ctcgtgcc                                     368
```

<210> 1065

<211> 322

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI179539

<400> 1065

```
gaattgaaca ccaaaatttt attaaaaacc agtctcacat ttcaaagtgt atcttacaag 60
tgaacagcgg ccaggtgata taaataagga ggaggaggag gaggtcactt ctggagaaat 120
caaattcctc aggacagcag tgacacaaga gcattccagga acttgctccg gtcctcagct 180
ttcagctcaa ttactgagag gtcaaagtag ttgtgtagag tccgggagct ggtgctttct 240
gctgccttct caaatgcccg accaaaaaag ttctttctat ccgagctatc agtctctgga 300
gggatgccca ccacagtcac tg                                     322
```

<210> 1066

<211> 564

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI179570

<400> 1066

```
ttgaaaaaag gttattttta atggatacaa agttgaagtg tgaaatgttt tcaaaataca 60
tttctacaag ttacttctta gtgaaagagc aagtatttgt tagcaaaagc agtaaaactg 120
aaggggatta gaattgtggc tgcaagacct cacatgtaca ctgccatcct tagatgtcag 180
ctggtcctaa gtggcaccct taactcacia atgggactca cactgaatgc ttgggaattc 240
cttccttttt gttggttttt gtttttaaat ctttctccaa caaaactaat atcaaaataa 300
gccaaacaaa ggaccgcacg ggtccacttt aaagtcactg acacttttcc tcgtagggac 360
ttcacacagt gaacttcctt gactgctcac agtgatgcga cgtgaagagg caaagtgagc 420
aaatgcatat cctttgtaat tgataacatc tcttaagctt cactttattc gtcctattga 480
tttttggcct gaattaaatg taaatccctg cctcatcatc aatcaggcac ttcctcctgc 540
agcatatgga aacacacagc tagc                                     564
```

<210> 1067

<211> 613

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI179610

```

<400> 1067
attagataat gccatttatt atttcacaca gaagtttagag accaagggtta caattattaa 60
ataccaccca cccctcaaaa gacagcccta cttggttaga ataaaaaac aatcgatata 120
acaaaaaata ccattacact ggtagaactg gggaaataac aaaaacaaga cagaaacaca 180
agacagaaaa tctctgcaca ctgatataaa agtggccatg acgctggggg aaagcagtca 240
tggtcagtca acatggacgc cgactaccaa gggcactggg ctcagaacag ccgcctctac 300
cgaccacagt tctggggctc tgttgcagga tttggggctg ctggtttcca agttcaggcc 360
cctggctgtg cttttggtga gggaaatgtg ccaggcatct cttccattc cagagagaca 420
aaggaagaca caggaagggg gcgaggaacc ccaaaagctt tcttagaggc ccaagaaaag 480
agagccaggc aagattctcc cctgcagaga gaaggctaca tgagacagag ttcacagcct 540
ctggggggcca acactgcatt tacatggcat aaattccac tgccacggtc gccaacagga 600
aactgagtgt tga                                     613

```

```

<210> 1068
<211> 531
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI179709

```

```

<220>
<221> misc_feature
<222> (1)..(531)
<223> n = a or c or g or t

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```

<400> 1068
ggggttttat atttattgca actacaactt ttcaaagaac gttagttatt taaattttgt 60
tcagacatgc ttaaatatat acaaaacgac agtctctaata cccttgagga gaaggcggaa 120
cttcagtgtt cctcatcggt tcaggcacct cgccttggtg caagcatttc caggcggcct 180
ttgagtgtca gttctgcagc actgcttctg cagcgcagcc cctgccggct ggctcgcggg 240
gacaggctat agcccgcggc tgtcagcagc acagtcctcg ctccagtggg catctcgtct 300
ctctgccacg agtttgatga actgtgagtg actggcatac agcttgagct ggctcgtgat 360
gtccacccac ttcaccttcc ccgcacatc tccagcctcc agcgtgaggt tgtccatcgt 420
ctcncctgtc tcatcatggt agttcactgc ctcatgtctc atccatgcgt tgtcagtgtt 480
ccgagggtcg tcgacatagc ctttatatat cacgagatgc tcttggtgta a 531

```

```

<210> 1069
<211> 444
<212> DNA
<213> Rattus norvegicus

```

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<220>
<223> Genbank Accession No. AI179750

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<400> 1069
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cacgaatggt ccatgacttg aattttctga aggggtgaca ggccatattt ttggatcacc 180
tgccactgct ggctgatctg catctctgtt gggttggtt ttgttggtt gtttattttt 240
gagacagggg cttatttatg tagtccattc ctgtttcaaa cttcctgtat tgctcagggc 300
aaccttggat tcttgatcct cctgcctcta cctctcaagt gctgggataa catgcttaaa 360
ctggcccagc tgaataacat cttttgttta aatcctgtca gccacctgga agatagatac 420
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<210> 1070

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<211> 577  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI179857

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 atcctaataaa tgacaggtgt ggacgctcct caggaagggg cgagcgtggc tggcagctcc 180  
 tgtgcctcag ttactcagaa gcagttctgt tgcagtctct acatcccatg attttgaaga 240  
 ccagggtccc tattactgcg ttctatcaa aaccatagc acagagggtt tctatttttt 300  
 tgggtgtattc tggactagac actggtgctc cagcatacac gtgtgcccac agtcgagctg 360  
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 catctggttc tgcagcggcc agcagtgtct gcaatgacaa taatactgtg cgcagagtca 480  
 ttgctgctgc ccattgatct ttcaggatat ccaaacaat agcccctgtg acggaactaa 540  
 tattagggtg ccatatttta gtgataaacc ggacctt 577

<210> 1071  
 <211> 458  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI179870

<400> 1071  
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 ggagagtcag tgcccagtac caaaaaccga ttcatatttta attaaaaatt tcaaagttta 180  
 tataagttta gctgtaaatc tattatcaaa aagttttaag catgtaagtt gcctctaaat 240  
 gacagggttt taaactgcaa atctgccccg agtggttaac ttataaactg gggccctttt 300  
 aaattttaca tatttaaat atccaagaag cagctgattt caagtcctgt tcaaccttcc 360  
 ttttctgctt ctgctctggc tgaaaactga gaaggaacct gagctttagg tagctggaaa 420  
 attcctcccg ggtgtggctt tatgtgaaca tttaaagg 458

<210> 1072  
 <211> 568  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI179953

<400> 1072  
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 ccacaactct tatttattgt tacagaatgg cttcccaacg acattcttgg caggaagaag 180  
 tgtcccctgt tggatttgtt gactgtcatc ttgtggacaa cacatcaggc agaatgacaa 240  
 tgctaagggt caacttgtcc tagaaaagtt acacattgac ctaaaactagt ttcttctatt 300  
 ttttccaaat atcaacattt ctgtttccag tttagaaggc aatgctgaaa agggaggcaa 360  
 acagacattc aaagtagaaa aactcagttt taatcaacag gatttagagt ctagaagttt 420  
 catcggttct ttgaaaacca ccccatcttg tttctgcacc attaaattgt accatggcag 480  
 tgaaattccc aagcaaactc atgaagtctt ttgatactga ctgccacatc ccacagctac 540  
 agagtagacg agctgggggt ggaggggg 568

<210> 1073  
<211> 597  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI179979

<400> 1073  
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ataatagtta gatgcctctt aaatatacat gttatcttct gaagctaaaa gtaatatgca 120  
ctcaaccagt ttttaaaatc tttttggaac attaaacatg ataaaagtag aaaaaaaatc 180  
tcttatgaag tcctctacga aaggaaattg tgacaagttc ctgttaagac agaaaccatt 240  
ccatctccaa gggagaacaa gagaaacatg aatatgaaca gaaacaccta cttcctgggt 300  
ttatcctagg tagaccaact ctttacagtt attttctgtc ttccctggat aaataagaat 360  
cccttaacag cagcccgga attaaccaat tccagtgaag accctgagat ggctgacctg 420  
cagcaggttc ttgccttttg cagtcaacaa catcttttac aaagcacctt gacttatggc 480  
agggctgaca aaaccaggtg aattagttgt cccagccag ggcccgcca cctttagcct 540  
tctaggcgcc actgttggga aaaggagcca tcacagatcg ccatgccgac gtagccc 597

<210> 1074  
<211> 667  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI179988

<400> 1074  
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gttttacaaa acctcaaaaa tgtagtggaa gcaaacaaca tacgaacacg accgtcttct 120  
aacttctaca ggggttggtg tgtgaaccac atattcaata gccagagag ggatattatg 180  
cggtctaat cactcttatt cagacaggtg tcaagcctga gaaaagaggc tccaccatta 240  
tgccagaagt ggaaggctgc cttttgttat cgtttccag ggcaaccggc tcacaaaata 300  
agaagaacct cccctgtctt atgccagggt ttttgtgtgt actgtgctgt gaattgtatt 360  
tgcttcaaa gttgggacat ttcacagggc gagaatggc aagtagcagg cccgaatgcc 420  
tagatcaatt gaatgagcgg ggagtctaga aagttcccct gccggctggg ggccaccct 480  
tgctgggcag ctccctctgg ctcacacagt aattaacaga ggattcaagg ccgggccaca 540  
actttgaac agctgcagag aattctccct gctctcagca gcagtgcgt gaagatcttg 600  
agacagattt gcattgtaaa ctgtggagct gagacagcta cgagacaact gatcatacca 660  
ccagggt 667

<210> 1075  
<211> 597  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI179991

<400> 1075  
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accttcacta tacaaaacat tgtaaattga ttacatatta ataaagaatt tagcacacat 120  
acatttctaa gataagaagc tagatgcagc ccttgctatt aaaagctgta cccaaacaaa 180  
aatggacgtt tagtctaagg cccgggcagt ggactataga atgtcagttg tctcccaatt 240  
atgttttaaat gcagaaatag caataatgtt gaaacgtaca ttcattaagt attagcattt 300  
agaatatata tggctaatta ggtgaacatt ccgagcagct acggctcagg agagcccaca 360

ctagcccagt cacgaacagt gagctcagtt cagagaacaa aagtgtcaaa cacaggataa 420  
 aggtaaagta agagacaggc gagtggcctg cacaccaca ctgaacagtc tggcttcacc 480  
 tagtgctcag gggagacaag tgacagaact cagcagaacc tgtgaagcca tgtgtccacg 540  
 gttgacgggc ctatggcaca gcccgagttt ctaagactta ggatgaaccc ttgtgcc 597

<210> 1076  
 <211> 528  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI180040

<400> 1076  
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 ttcttatctg catgctaccc actacagcca ggaagcatta aacactgttg gacacaacaa 120  
 gaagactacg ttgaggctgt gattcaaatt cagtgaagaa aaagggtgctc ggggtctccca 180  
 cagtcagcac ggagggtttg ataaagtcag aggcactgtc aggcaccagg gctgctggac 240  
 attgaggtat aaccaggcac accatgctga gggagaagga aggtgacaca tttcactttg 300  
 tgagggaggt taagcagctg gaaagttagg aaaaacttta ctgggagcaa gatgagagcg 360  
 aagtctttta ggaagagaaa ttaagttcat aaaagctttt ctaacagtaa cagggtctctg 420  
 ctacctttta ccagcccatg cccacctgcc cttccctccc ccacactgag gctactctgc 480  
 ccacagaaga tgtggtcctt tgttctggag tttcctggag aaatatgg 528

<210> 1077  
 <211> 600  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI180187

<400> 1077  
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 tggttaacaa tgacttgaac tgatcaccag taaaaccctg ggctgacatg gggcctctgt 180  
 ccttctcccc cctttaaaga gcatgacccc atttctaattg caaacatttt gcagtgaaga 240  
 atcacgagct ttcttgaatg aagaaaacca accagaatta accaaatttc caacatgccg 300  
 tgtggcttct tctcaaattt agcatttgca ggtatgagaa accaaagcaa acagagttca 360  
 cattccccct ggccttctcc aacttcctac ataccctcag gtcaggctgc tcctagctcc 420  
 gtcctctctg ttcagccaga caattttaga caagttactc tttcccttcc ctttactatc 480  
 ccagtctcct gccttctctc ttgcttttct gacaacacaa aaacttccac ccacccttcc 540  
 tgtggtttct ttcagtagtc tagaatacac taagtcattt catgggactt tatcaccctg 600

<210> 1078  
 <211> 545  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI180253

<400> 1078  
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 atcaggagcc gcagccactg gtccgactct cttcttagtg ggagctcctt ggccattttc 180

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ttcatgccat gcttgttgaa tttggatttt catccatggt atgatggata agagtgagga 240
tataagccat atgaagagca aaaaagggtat gcgtgggtatc tctgttgccc gaagatatcc 300
actctccctg agaaggatca agctgtgggtt tattgggttca gctcgtgcgg aagcatgaaa 360
aatatcctca gcaccctgag tagcaggcag accttcttct acgtcaggag taaaagaaga 420
ttcctcatct gaagtagcag aatcaaatat ttcttcttca cttgtactct ccttgtaaag 480
aggtaaata actacataat ccaatccaat gtgactagct ggtcctgagt catgaccctc 540
gtgcc
545

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<210> 1079

<211> 480

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI180367

<400> 1079

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gccaaatttg ttttaatatg atatatacat atacacacat tcacagtcac aaaccagcat 60
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tggcaagggtg caccacgggt gtacatggcc cggggcctca tgcaggccca gagctctgct 240
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tctcatggat gtccaagtac ttggatacgc atcgggtccag acacacagac tcgccttttg 360
acagctctgc ctcctttagt tggggaggca cgcacttccg gtggcaggca ctggtcattc 420
tgttgtacat gtcggccatc atctccacct ccagctccgc tgccagttgc tgggctctga 480

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<210> 1080

<211> 492

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI180392

<400> 1080

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tttaacagtg gagttctgta aagtcaccag atgtaactgt aaaccacact gtgtcacaaa 180
aggctcacag cacagcatgt gtgggcactc agggtcagtc ggggtgagaa agggccagct 240
cctgtgtggt gtggctgtta gagcaacctg ttgacctggg ggcagaagt accagggcag 300
aatgaaagcg tacagactgg aggataaggc tagtgctgtc ttgagggacc aggacccaag 360
ctctccctca gctgtagact agtttggtga agctggtgtc agcgaatgac atggatgtaa 420
tcgcatagac cagccactgc ctgggccagc aactacaggt cccaagacag gcctgaggac 480
ctcagctccc ga
492

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<210> 1081

<211> 646

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI180442

<400> 1081

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tccgcttgta gatcttgttt gctagttcca ggaagatgga tgggggcagg ggcgcggagc 120

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actgctctat gagactcttg aggcgggttg aactgtcttc ctcgacttg aagaacacac 180
tccgcagatc cagctcctcg tacagtgtt tcacccgcgc cactttttct gggtccttct 240
gcccataatt ctctcttaag atctggcgct gctgaggagt ggctcgtagc agacactgaa 300
ccaccagcca gctgcatttg ttgtcctgga tgtcagtgcc gacctttccg gtcacactgg 360
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ggatcttcag ggcattagcg tggtccttct ccccatcaat tccagccatg tacatggcag 480
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tcttttcagt gtatctacca agatccactt ggccctgggg tgctgtgatg aggtcgagag 600
tctgcccgat ctcagttctga taggaactct gtagaaagag ctccag 646

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<210> 1082

<211> 458

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI227562

<400> 1082

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gggcacgaag tcgcgacccg agttgtaaac cctagagtac cgggttacaga atagattcgg 180
ctggcccgcag gctatcgagc tccggcccag gtgggtgggg accgtgctgg cccccaattt 240
cagcgaaggg atggtctacg agcgtaggat gctcctggac gagaccagca catgaaccgg 300
aagcctcacc ggcaagatca tttgaccact aatcctcaac agatgaagtc tattcgggcc 360
caggctaccg gccgggacca cgcaggagct aaagtacagg ctctacagc tagcacacct 420
acagtcctag cactaccggg gtttcacagc cccccatc 458

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<210> 1083

<211> 600

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI227699

<400> 1083

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atactaaaat tttgacaata ggatgttgct tataactttc tttaaattgt tgttccaagg 180
aactgtttta gtacatcttc cctaatagtc acagaaaaca aaaattcaac ttttaaacad 240
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aacagcctag ctatctgtta tacaggttcc aacaaagaac taagggtcaa agcaaccctt 360
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gctttgcaca gtcttgagc gtacctcaca ctttccctca ctgtgccctg tggcttgctc 480
tattgaaaca caacaatgca tgcttcttca gtgttctcac ttgttaaacc acttctgagg 540
cctccggaga ccttcgggca ggaagccttc tatctgttaa aagccagagt tggagcttag 600

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<210> 1084

<211> 563

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI227769

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tggcagctaa gcatctcggg gaaatagagc tgggtccaga aaacctaggg gtgacatcca 180  
ccctgcttcg tggtttcaca ctgcacagct gttctcacat tttgctcttc aggactctgt 240  
gagaggcttt cacatgcact gcattgagga tagaactctg tctccaaagg cttccatcac 300  
acttctcttt aaatctactg gccttggacc tcaggggagg aagctgggcc ttaagttgct 360  
gttagacagc catttccaca attgatgtaa accattgcat agttttacaa atgaagtttt 420  
ctcattcatg ccagagattt cagtcagcaa attgttctgt atccatttct aggggattag 480  
aagccttttg tcctcaaaca gacatttttt ccattttttg tcgagctttc ataggatgta 540  
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<210> 1085

<211> 469

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228042

<400> 1085  
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ggggacagat cccatgccaa cccacagagc aggcgcgtct gcctcctatc catttatgcg 120  
gtagttttca tggatttctg gccggatgtc acacacaaag gccaaagagg tatccaggac 180  
ttcatctctg ttctgtctca agtagttctg gaggatggtc atcttctcct gggctctcct 240  
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atatttgaag gtcttgggga gggagtcagc tgaccgggag aagcaagacc tcttcagcag 360  
accttgaggt ttcctatttc tccttgggcc caaccagtca cagagaaatg aagtcctgtg 420  
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<210> 1086

<211> 482

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228197

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cagcagaagc ctgaagaatc cgcagctctt ccattccgaa agcttccacc aaacagagct 180  
gacttatcag cgatcctttc ctttccttca tgtcagaaac cttgcgcagc tcggagtga 240  
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tatcggagat tacgtcacca atgagcacct ttttccagga cgtaaaccgg tcggctttca 360  
gacacaacaa cttgagagct gtgagcattc tccaagatgg tccatcccat ccaaaccgtc 420  
aatttcctgt gaagccatga tcctccaaga tggacagctt cttgtgcacc tgcttatcgg 480  
ct 482

<210> 1087

<211> 567

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228265

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acagcacgca gtaaataaat ccctcccaca ttttgtacaa actacatgat tttgatatac 180  
aaagattctg tttttattcc actgacaatg tacaaccaac actatttaca atgcaagggg 240  
aaaaaaaaatc aaaaaacaaa aacacgttta taaaccacaa ttaaaccattc tgctactggc 300  
agccactata gtttaggagg tagctttaat taaacaaaat gaacagaagc cacatttccc 360  
aactcgtggt ctaaaaataa ttacacaaag ataaaaatta atcatatgca cagtatgtac 420  
agtttaataca aactgcaatc tagcttaagt ttctgtttaa agtagaacta agatggcagt 480  
gggtttgcta ctgactgaac acagtctgaa gtcttcttac agaaacacat caaaagccta 540  
taggtaagaa tcaagtaaat cttaaaa 567

<210> 1088  
<211> 461  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI228291

<400> 1088  
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agcatcccca gtgagggata aaaagggaagt atccaatact gagtcaaagc catacgatgt 180  
tattgggtga gcgacagcac taggaccaac tgactaaacc agaactgaag gaccgggacc 240  
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aagaaaggac tgggagcagg gttccgtggt ggcacttagc ttatacaagg ccctggggtc 360  
cgtccacaac accacaagga aaacaaacaa gcaagctact tgttggttt gaattcactg 420  
ttaatgttgt cttttcacac aaatgaatta tagatagatt g 461

<210> 1089  
<211> 536  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI228540

<400> 1089  
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gtgaagggta aagaaaatgg gccagtggtt tgttccatat gaacggtgag gagggtgcttg 180  
ccaacactcg gacaggtcct gaggggaaat gaagttcatc agctccctca cttccaacag 240  
tgaggcagag aagaacacag agatacccgga cccacttctt ccagtggcct caacgtagtc 300  
atatgggtgt tcaaattgga cttctgcgaa ctgttcaagt ccctctcgag gcctaagaag 360  
gggatcatac cttctgtgag tgtcgaagta gttccatgaa gccctttcct tgtgacttgg 420  
tcacgggtcca tagaaaatgt gacttgcata tagtggttgg cttcatatatt ctgtagtccc 480  
tgttatagcc ctggatctaa tgagtagaaa cttgaaatca gggtgttctc aggggtt 536

<210> 1090  
<211> 600  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI228557

<400> 1090

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atcactcaaa tgtatccaga gtatacttga atttcataca cagcttgaca aggtgggtct 180
gacaggtcct ccattagtca atgaatggaa atggatcttt cgtgaaaggc atagaaaata 240
atctagacta aactgaagg aatttgggta actctgaatt tctttacatt acaaagaaga 300
gaacaaatgt gcccaaaagt aaacaggcgt ggatgtagtt tacggttctc catacactta 360
catatgcaca aacgtcagca gggagactct aaggaaccag caacttctaa ctcaagtga 420
caactacgca ccagcaaagc ttatggaaag actcaatggt gtagatgagt taaaaagggg 480
aaggagctgg ggaatgctat tcagcttgct gaaacaaggg cacgcacaca ccgtaaatga 540
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<210> 1091

<211> 611

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI228596

<400> 1091

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ttaaaaaaat atcagttcag actattattg aaagtgacta tgcacaataa ataggaatgg 120
cctgcgtgtg ctgcagacat gggacacaaa aggttgatg caatcagcaa agagtgc aaa 180
gcacctggga ggaagtttca aatgtctaga aaagttagctc agagctctgg accactcacc 240
aaataaaaaca aaaagcaaaa acaaacaaaa caaaaacccc actcagtaca tctggcaaac 300
aacttcccaa caacactgaa ctatctcctg cgaccataa gaacaattta aaatacccaa 360
agtgtctaaga cctcattagc agtacttta atctgagttt taatgttaaa tatgattact 420
cgaataccct aaactgtatg acatgcctaa taacaataag ttacaaatat tcaacctaat 480
aacttagaca tgatatggtt aatataacag acattgtatc tcagctaacc tttcatgtaa 540
ggtgagaatt aaaagacttg ttcactctgt cactcaaatg aggaatgtgg taccctagca 600
acagtgatga c 611
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<210> 1092

<211> 592

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI228624

<400> 1092

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tgtatagcat gtgtgctgat ccagcagag acatgaaaga gggcattggt ttttaattggc 120
accatgtggg ggcaccaaga catgaacctt ctgtcctcta gaagaacagc taacggaaat 180
ctttatagct gatccatctt gacaggtcct aaagataaac cttatttaat ctgcaaagtg 240
aaaaagtttt gcaaggctat gccagagct aaaattttga cgctttcctt tgcaaagctg 300
aatggtgaag gtgtcaagaa gaccagttct cagagagaag actttaatga atatatttta 360
caaacacact ggagaatcag gcaatgcttc ctgcattgga tgcaatcctg ggccacaagt 420
ctgcacactc ctttgcaact ggacctgtga tagcagaacc tttcatctcg cctttattgt 480
ttactatgac ccctgcatta tcttcaaaat aaaggaacac cccgtctttt cttcgatatg 540
actttcgtag tcgaatcacc actgcaggat gtacctttt ccttagttat gg 592
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<210> 1093

<211> 586

<212> DNA



<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228630

<400> 1093

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atcctctttt gttgaagctg ctggccacca gcaaagacag gatccaatgg caagtagggc 120
cctgcgagac ttctgagacc cacacatcag accagtctct tcacttcaa ggccaagtat 180
gagagcagac acagttccta cccagagggg tgctgaggaa acacgtccct gcccaccctg 240
tcctccctca aagatctcag aaagaaaggc cagtatactg ggccctgggt ggtcaatcta 300
actcttggtg tgaagacctg ggcaaaaggc taatgggtct atttagacct cgtgtctaca 360
ctatgagcca tatctaactc cagaacatga ttaaaacact caagactctt gttggcagaa 420
gctgcacccc agataatgga tgtccggcca cattctggct agagatagaa atccaagcag 480
actgggtatg aatgcatgag gaaaccactt ggcccagttt ggggacgggt agtccaggct 540
cagcctgggc ccaaactttg ggtttctgtc tctcactacc cagtgt 586
```

<210> 1094

<211> 509

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228676

<400> 1094

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gaatagttag tttgatttta tttaaaaata ataaatcaca aaactaaagt gtttgaacaa 60
ggtcacttaa cccctccca ggccacttct tggtatcatt tggatcatt tattactccg 120
cactacacgt ctaaaagagg atcttcagta tgccagtgc accaggacac atccctggca 180
caggtgatct ccagaagaaa agctgatggt ctagagagct ttctcctctg ccttcacagt 240
gctgactctg ggtggagggg acaggggtct ctcggagttt atcactgagg gaccagttcc 300
cttagagagg ccagagcagc atggacacgg acgtgcagtc tgttttcaaa gtcgtagcca 360
gaaaaatcct cctttgctg aaggagtagc gttctgcctc ttgctacaga ctctgctctg 420
tctagcagga gacagccaag ctcatagcag gcatatggct ggacgtatga gttattctga 480
cggcagcact cgtcttttag cctcgtgcc 509
```

<210> 1095

<211> 525

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228723

<400> 1095

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gggctgatat atgtatatat actttatttt tgtaaaaata aatgtaacac atagacttga 60
caagactggt cccaaccttc tagggccagc agtccttta gggtcagaga gaaagtaggg 120
tcttttaatc ggcattgagg tactttcact ctccactgga atgactaggc cccagttac 180
ctaattgtgg ctttacgcac ggtctcctca tctcccagga actgcatggg cttgatgggc 240
ttcaagtctt tgtccagttc atagacgatg gggatgccag ttggcaggtt cagctccatg 300
atggcctctt ctgacagacc ctccagatgc ttgacaatgc cccgtaggct gttgccatgg 360
gcagcaatca agacctttt cccctccttg atctggggga caatttcttc attccagaag 420
ggcagtgcc tggcaatagt atccttcagg ctctcacagg agggtagctg gtctcagta 480
agggctgcgt accttcttcc taagcagacc cttagtaaac aaaga 525
```

<210> 1096

<211> 487

<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228728

<400> 1096

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aaaaattctt tgataccac aacacaaccg actaatatct gcaataggat gtttggtgct 60
cagggtgaag acacaaatta ggtcccacct tatttttgag gcaagggtta aagctagttt 120
gcaataacca taccagcaga aagcaaacat ctgcgaattc aaatcaagca ttttgcagga 180
caacagtggg tctgcctctc ctttccactc ccacagtgcc tcttgaggca gccatcctcc 240
acccacacct gtgcaccttt ccagaatac aggtccccag gctggaaaga taccagcccc 300
attaatcacc gctactgtac tccagtctta agagaaagtc agccaggact caacagccat 360
gcttgctggg cagattccgt ttgctgcctc cagcctctca ttcccgcctt aattgtaggg 420
ctctgtatta taaccacata attcatgcct ccctaattaa agctgtcaac agcctcattg 480
taaagct 487
```

<210> 1097

<211> 550

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228729

<400> 1097

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gcattcaaca aagaatttta ttttaattat tcacaaaaca atattacaat attttataaa 60
aatattaagt tttaggctac cattatttat ttaaaaaagt gtttgtgcta gaaggctgct 120
tttgccaact ttcttttttg gtaagggtgt taaagttcca tgtaagaca atacagatga 180
aagctgttga aaaaaaatct tcaaagtac aaaactgttt ttttcttga taattaaaaa 240
atacataaca atttaaaactg aaaacacatt aagttagtgt tgcatactta ctatacaatt 300
tttattataa gggactgcct tccatttagt taaaatctaa agaatgcat caattttttc 360
ctgccttatt tttctgatca gcaatagtaa acacaatttt atgaccttt aaagaatgct 420
tagataaact ataataccat agttcacatg aagcccttta aaacattcat gtcatagact 480
gtagacatca gggcaataag gaccagttt ttccaggaga ccctcttggc agaggattca 540
gtactgaata 550
```

<210> 1098

<211> 511

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI228931

<400> 1098

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aatcacaagc cttttttatt cacttcaagt attaaaaagc taaatgcaga aaaaatgtgt 60
cctgcttcct ggggccacat tgccggacat gagcgagtgc cggctggaga caaacttgtg 120
gattctggtc ctggcagaac ttacttttct tctcttgta acgtttcaca tacaattcag 180
cagcagatta cccctcacag aaaactctga tcttcatttt aaattaactt gagaggacaa 240
gagaaacggt atggtggccc atgcctgtgg gccagcaott aggaggcaaa catgggaaat 300
caatgcagat tcaaagtcac ccaggggggt gcaccaaggc cctggtttta aaaagggaaa 360
tcaaaccaac ttcaccatca acaacaacaa cgccagagga gataagcaag caagtgtcca 420
gtgccacgtg cagttcgggt ccaatagttt acctcgagtc tcaaagagcg gcaggctgaa 480
gttgtgatgg aaggttttgt ggtggggccc t 511
```

<210> 1099

<211> 570  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI228959

<400> 1099  
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aaaccagttt gctgtgctca ttaaattggca tgacagtatt ttagttaagc tgggagtcac 120  
aggacttgca cacttgatg aatgtaatgc aaatactgac aacacgaggc attcacagtc 180  
acaggctggc tgctgctcac atcacagcag cgcccgatgg aaatcagttt atggaaaaaa 240  
gcaaccacat tttgggtctca tttacagata cccaacattt cagttgggtca atgaattcta 300  
tacaatttta tacaactatg aaagaataaa ggataaggct tacagaggta ttttagcagt 360  
tgtaaaaata aaaaccaagg acacaaacta aactcttaaa gctttctgta taaacttcaa 420  
aagtatgggt aggatggaga cttagaggca acagaaatct gttaaaccag aatctagagg 480  
tttgtcta at cagatatcaa tactgaactc aagagttcag gctttaaaag aggcgcacct 540  
aaggctacaa tgggtatcca gcaaatcttg 570

<210> 1100  
<211> 531  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI229035

<400> 1100  
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caataataaa attcaataaa tttgattcct taatcataaa aactcgctat acacattatt 120  
tacaagttgc caaaatctac aagcataaca aacgttacaa ggacctcact gactctaagc 180  
ataggaccgt cacacagaag ggagtaacta atcaacatac atccggatgg aaactcatgg 240  
atatgcacag tgtgtttggc actgttcgtt aatattggaa cattttgtca gaacgggcat 300  
tctcgagcct tagtcacaac acgccagaat ctgctattca cattatgatc agcatttcac 360  
cgtcaaacia taactgttca gttttaggga gcaatctaca gtcggacttt agaaggaagg 420  
taatccctcc atttcttcac atgccccatg ccatctgctg agtgagtttg acttggtgtc 480  
tttgtcactg tggagcatgt caagggaac gatttaaagg gaacgccctt t 531

<210> 1101  
<211> 430  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI229167

<400> 1101  
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gcccgacctt ccaccacag ccgccctgct tcagcagtggt ttctggtaac cagcccgttt 120  
tccccttaca agaagttaat ggctcagaat agaccctcct acagaattta ccatcactaa 180  
caaactgttc agagacctaa agaagctaac aagcaaggct cttccaaagt gaggttaatg 240  
gaaatcccta taacgtcagt agcttcacgc aaagcacgac aaagcaccat caaaggctga 300  
aagctaaaaa tagatattta ataattttcc atTTTTTTTt ggaaaactct ttaaattaca 360  
ttaaataagt ctcttttccc ccaagaaat tgtctagctt ttatgatgcc tgtataagtt 420  
ggtgacggtg 430

<210> 1102

<211> 319  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI229172

<400> 1102  
gagaagccac agcctttttat tttggtgaaa aaatggagta tcagggttc tattcaataa 60  
aatatggaag gttgaggaat gcttgcttgc aaaagctttg caciaagaag tgctggtaga 120  
tacttttatt ttggtgggaa aacgaatgct gtctctttct ctctcctatc tctccccct 180  
caggcaactg tgccctctac catcgggggg gctgggtgga ccatgcctgc gccactcca 240  
accttaatgg tgtatggtat cacggaggtc attaccggag ccgataccag gacgggggtct 300  
actgggccga cctcgtgcc 319

<210> 1103  
<211> 467  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI229178

<400> 1103  
attgtcagta taaaaattaa caggttttat taaatacttt ctccaatttc aaaacacata 60  
aaatcagtg agtctgcact cctgtcacat gacggtagca aggtgagtgg gcgtgtccaa 120  
agcaaagcac aagacttgaa cacggaaatc aatggtaagc gttctcttgt cgggtgtagc 180  
tctcgggcc gatcttttag tgaggagagg tcttgtcaga agtgggtgga agccagaagc 240  
aaaccctgca gaagatggaa ggaggtccca aactctcgac agaataacc tgggcttca 300  
ctattctccg agaggatgga gagtcccaa agagtttttg atgctgaaga atctgaagct 360  
gttatcaaaa ctcacggaga gggagcaagg cgaatgtgac ggggtgtgta ctcaggcata 420  
aggccatctg ccagacaaga cccacctgc cgtctccgat gggagtc 467

<210> 1104  
<211> 386  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI229192

<400> 1104  
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cccaaaggt ttttaagtaa agggcagctc aaatcaactc catttaccg ggtgcaacac 120  
aagcgttgac accccactta cagcacattg caaatgtgcc cccatcttt atgctggatt 180  
acgaaccgcc catgtgcacg agtggggaaa tacaccaagt aaggcgtgtg taagggcctg 240  
gttccctgag tgtacgcgct ccgcggcacc agtgggggtga cagccgagtc acgtctggtc 300  
cgagtttctt aaaaagtctg tccattctga ggcaaggctc agcagaagtg ggggttcacg 360  
cgcgggccag gggcacccat cgtgcc 386

<210> 1105  
<211> 457  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI229235

<400> 1105  
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 ttattgcact agtagcacat ctgtaatacc aaactacagg acaagtctta acaagagggt 120  
 tgtgttcttg aacgtagcac ttgtctacca ggcactgtag aagagaatga ggaaaagcca 180  
 ggacctgctc aggagcttaa gggttgggtt ggggtgggata tggacagtaa cacttctaac 240  
 aactggtttt aaaataagaa tgtctttttt ccactgaaaa caaaattaat catttcatat 300  
 tcactagtaa aggagctgct gggaaacaca atgcacacga gtctgagcaa ccctcggcac 360  
 agtagcagtg ctgagcccggt gtgctgacag gctctccagg ctctccaggc tctcctacgc 420  
 atagggctaa tatccagctt ttctcaacaa atttattc 457

<210> 1106  
 <211> 414  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI229240

<400> 1106  
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 aaatcccca cccctggcct gtatttcttg cacactgttt ccagcctctc cccgcaactc 120  
 atttatgatt ttgtgctatg tctccttagc tcacagtttc cgggggctcc aggctttaga 180  
 accattagga attgtcaaga aaagctcaaa ggccagactc atcagcactg atgggaccct 240  
 cggagccttg ggctgggaag ggtgaagggt gaggaggagt tctcaggccg agcttagaag 300  
 ggctttcagg caagggggat gcagatgcag ggagttgcgg gggaggggca tgaggcaaga 360  
 ttgttcccgg ggatccctga gatgccctat attcaataaa atgactatga catt 414

<210> 1107  
 <211> 482  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI229253

<400> 1107  
 gagtttaaaa attatacctt taattataga atattgttag gataatacag ctataaacia 60  
 gacactagga taattgacca ataccaaggg aacctgttct acagatttac ctgttcatcc 120  
 actctccaca accatagaac acaggcacag actgtctggt atgtgcagaa acggccaggg 180  
 acttgtgaac agaaggcatg cacttagcgt tagtgaaggg tgacagttgt gtgacttctg 240  
 cagctcagcg caggaagggg agcagctgac catagctgag tggacagagc tggcacagcc 300  
 actgcctttt tagccacca gctagagtgt acacatacga agaggtggga aggcaatcag 360  
 aaaccttcca ggagcctttt catctcctag aaggcataag cagcaaataa aacacagcat 420  
 aaccttttaa aggaaggcta gggctgggtg tgtgtgcctg gtgtgtgtgt gtgtgtgtgc 480  
 ct 482

<210> 1108  
 <211> 501  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI229307

<220>  
 <221> misc\_feature

<222> (1) .. (501)

<223> n = a or c or g or t

<400> 1108

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ttgtaagatt ttttaattct taaaaatgca attttctttt caaagcacat gccatcttta 120
aaaaattctc agcaatatac atttgcaccc aagaaatata tgcagcatca ctgccgtctg 180
acaatgtcct gcactaacc accgactcct gcacatgtgc gttctacttg gggactcaga 240
acacaggctt cagtgaaca cttatttccg taggaaacac agggccagtg gcgtcttctg 300
acaactgttt cccaatggct gagcacagcc tccatctgcc ttaaagcact ctccccctg 360
ccaatgaaag aaacaactag aattcaggag catttgagga tcccagtgcg ggaccgagga 420
gggatactta gggctaccct gtgccacana acttacgcaa aaatttacct agaaaacaaa 480
actgaaaaaa ctcttagatt t 501
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<210> 1109

<211> 493

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI229318

<400> 1109

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aacagaatgt aacatgacta tcgtgtatgg attgaaatag acgaagaata cagtaatttt 180
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taatttcatt tcaaataaat atatttcctt tctattcctt tatcatgtag tttattatgt 300
tcctaactgg taaaacgcac cagattattg aactcagtaa taatccaatc catgatactc 360
catttgcctt cattttaact catttgatgt acactgcaag ttcacagagc agttcctatg 420
aaactgttag aacctaccg agcctagtgt gacaggcctt ttggacaaga ccaagggggg 480
tacgtttgag cat 493
```

<210> 1110

<211> 502

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI229337

<400> 1110

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ggggagttaa cacccaatac cacattttct aagacgttcc tcaaggcatt ggtgattgta 180
atttaaaaat aaaggaaatt taattagcat tggaaatcta aatgacgatg ggtttcaaga 240
gctaataaat agatctttta aaaaaggctt tgttttatct tgaaggactc aaacctgaag 300
gacgcctcca atagaatata gtatgtccca actcccaaat tagtaaatc atcatttcac 360
cttagagtag gagaactata aaatggaatc tctaaattat tacatatata aatacatcat 420
tttaacagtc atgtttgcta gcagaattat gaaataaaaa ccaaactctac attcacggta 480
caaagaataa tgttcttcca ct 502
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<210> 1111

<211> 535

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI229416

<400> 1111

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aatattacaa atttcagatc acttcacagc acgtactcct ataaacattt aaaagttaat 120
tTTaattaag agtgggtcact tTTaagTTta atgTTtgata tgaccaacat tccctagggtc 180
agagcaacca aaggatggaa aacaactgga tcacactgca tatgtcccaa acaaacaaac 240
aaacaaacaa acaaacaaaa caagaaagaa aaggaaggaa ggaaggaaag cacaatgtac 300
aaaatgtgca tgtttcagtt tacactatac aaaaatagtt aaaatacatt ccaggtaaac 360
atgtttacatt aagaaatagc actagtaaga aattggcact caaataaaaa tgcagacgtg 420
TTTTcaacat tgaagacatg agacagtggg attggggggac caggagataa aacagcacat 480
agcccactca gctgggtgga gttgagtcctg aaactggcat ttctgcagaa cttca 535
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<210> 1112

<211> 555

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229502

<400> 1112

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ctgtcagcca aaggagccag cctctgctgt caaactcgga gtcccagcag ctgatgacat 180
gggagtcgga tctagtattg ctagaggagc ttgcttacia tggcagctgg catgtccgtt 240
agacctcttt ttcagaacca tttgtctcac atacttgggg actgctgtgc agggacaccc 300
ggtgtggcct gacgaggcaa cgtgtacatg gctcccaaaa actggtcggc aatccttcct 360
gcttctcgaa ccccactcag cagagcacca tggaccgtag ctgggtagtt gcggattgta 420
tgttctccag caaagaagag tcttggactg cggatgtttt ccaactcagga agaggcggca 480
caaactgaac agctggtggc tgctgcttca gcactcccaa aggaagggtt cagagcactg 540
cgttacactt tataa 555
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<210> 1113

<211> 550

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229680

<400> 1113

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gaatgtccac tggagtttat ttacagacaa ccttaggtaa ggcattttcc tctaggatct 60
acatcttgcg aagttacttg gcttcaggct tcttgtctcc agcttcaagc ttgagatgct 120
cagggggctg acgataggca gggaaagcct cccaggggct gttcagggtc aacttgcgga 180
actcttgctc caactccact ggctcagcca ctaccgctt cacctcatcg tcataacgta 240
gctcaacata gccagtgagg ggaaagtctt tccggaaagg atgtccctcg aagccataat 300
ctgtcaggat ccttctcaag tcagggtggt tgaagaagaa aactccaaac atgtcccaga 360
cctccctctc ataccaattg gccgcgatgt gcacagacac tatggagtca atggctgtca 420
gctcatctgc ataggtcttc acacgaatcc tagagttaaa ccgcagggac agcaagttgt 480
agacaatctc aaaacggttc tgccgagttg ggacatccac tgctgtcaag tcagccaaag 540
atttgaactg 550
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<210> 1114

<211> 393

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229698

<400> 1114

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gccttgaggg ttagggccac ccaccagtgc cctgtatttg gaaggcccaa accattcacc 120
acattgaaca ctaggttaaa ataggtcttc taaacagtgg acaaccaca atggttaatc 180
aaaagataac tgatgaactc tcccatcagc tccttgcaag ctgcaggacc tcttagctct 240
tcatgatgta atcttgtcag agatggctcc agaaaatggg tcatgacctg catccgcacc 300
accagtagta gtccatggga tggtaggta taaggggtgg cagcagtcag ggcattgggtg 360
acagcgtttt gacggagacg tatcgtggaa ccg 393
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<210> 1115

<211> 544

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229739

<400> 1115

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ggggagacca agggaagaga acaacgcacc cggttaagtac agaggtcatt acaaggcaga 120
gcatgctgc atcaagttac aaacaggcca ggctgtcaaa agagctgtgt aggttgaggg 180
tgggaactgg gaggtgtgtt cctctgggct agcgtgggag tagggcttgc tatcagttcc 240
tgagctcaaa gccctgcagc aaccttgggt tggcaaggac gtctgaggca gccttatctt 300
atactaggac catcagcccc agagtgcctg gggccaccat gcagcatggt cagtttactg 360
tgggtccctt tcttacgggc tcaggagagg acttgcagct gtgcctggag cacctgtggc 420
cactgggcca tgaacatgca gtgtctgtcc cctaactctc aagtaagggt gaggcagcga 480
ctgctgaagc agttgccagg atagcgggcc gtgcgtacag tgttactca aggttttgtt 540
ccaa 544
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<210> 1116

<211> 395

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229789

<400> 1116

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caatctgtgg cttgaatggg agacctcaat ataggctgga accacttaga atccaaaaga 120
gggaggaaaa tccaagggtc ctgaagcttg ggtatcactg ggcagggatc tgggactacc 180
ttggacccaa gtctgtcttc cacctgtgga atgccatcta gggtcagcgg acattggcag 240
ttcagttccc aggtctctggc tgggaaaagt caagtttcac actgtggctg atatagtaag 300
ccaaaccttt aatggtagca gtaaagcagt tgacagtgtc ctgcacctac actgcactta 360
ctgggtggac tccatggaag aagagcctgg tggca 395
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<210> 1117

<211> 499

<212> DNA

<213> Rattus norvegicus

<220>



<223> Genbank Accession No. AI229832

<400> 1117

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atgcacaaga cctctgtatg tgaggaccca gcaaccagtc cccagctcca gatttcgaat 120
tccaactccc taggagccaa tgtgcaaagg cagggagggc ttggagatca cgcttccagt 180
ctcacagctg aatggcactg aggaagtcct cattatctga gtcttggagg aagcaggggtg 240
gggcaggagg gctggggggg gagaggatct gggcccctag ggccagctgg gacacagtga 300
gctctctgcc cttatgcatg acgtaaaagt ggaagtgaaa accgctgcta taggttgat 360
gcctcagtga ccagtcgtaa cagggttgag catagtgtct gatcctgaag tggggacccg 420
caggattcat ggagatgaat cggcctccag gaaccagcac ccggttcacc tcaactcagca 480
cctggtccac agtgtggac                                     499
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<210> 1118

<211> 545

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229902

<400> 1118

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ggccccctgg accacactac attaacagac accaagttgc tcggcaggat gctgagcccc 120
cacttccata cttgtcggaa cagtatgctt cacatcaata caattatatt agttcataaa 180
aaaaagacac gtgtctaaca tgcagcttac atacatgaca atctgcatta aacttgaaag 240
attacacaac agtttagaaa acattgggta tcttcaaaca gcaaaaaaaaa atgacaattc 300
tacaactaca gtttaaggca ttatcagcat atttttaaata caagaaatag acaaaagttc 360
taatgctgtt cacagcttaa ttttcaattt atttttaaata attcccttca tacctacgta 420
caaaactagac tctgaaggtc atgattcagc taacgactcc ataataaatg ttctgtcaat 480
agaactagga ctttttggaa ccggacaact ccagacactt gtgaatggca aaggagaggg 540
attca                                     545
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<210> 1119

<211> 546

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI229906

<400> 1119

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gttcataacc acagcaaagtc tcaactgtaca cactgccaat acagacttaa taacacgatt 120
ctgaactgta caagagttat ttattttcct taatctcaaa gctattttta gtagtacaaa 180
aaagccatat taacattttt tttccattag aaaacaacag gatgtacaaa actttggatg 240
aaaagtatgt caaattgcat ttagccattt ggaggaaaat ccaccactcc atcagtacca 300
cccaaagtgt ttttaggcag tgattaaaat caaaataatg catcttaata aatctcagct 360
gttaaaagaa caaacctagc aatatagaat acttttctac acagtatttt taactactca 420
gttcaggagt tatttttttt ttctttttta aaaacccatt tcagttgagt gctactacat 480
accaggcacc atatttggcc aactaggggt tttcgaacaa gttgggttaa gtgggaaaga 540
cccaca                                     546
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<210> 1120

<211> 450

<212> DNA

<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI229979

<220>  
<221> misc\_feature  
<222> (1)..(450)  
<223> n = a or c or g or t

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atgacaggtg agtcctcaac aaaatacata tgggtggcac ataaatggga ggaaccctgg 120  
gcctgctctg gaggagatgg atcaagaatc ctaaggcact gtgcttctgt ggatgccttg 180  
atgaagccaa agagctggca ctgtcaagct ctggtttcca tggccactgc cttcggtgga 240  
gttttagttct ctcccagccc ctctccttg gggcagggaa ttttagtate tgggtgccttt 300  
atcacaaggt cctgggggtct ggaggtagaa agtgagatgc aggagaagaa atggggcang 360  
gtgataagaa ctccacttcc tgcaagtagg aaggccccag ccaaccagat gccacacgcc 420  
ccacaaggtc agaaatagca gcctcgtgcc 450

<210> 1121  
<211> 516  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI230046

<400> 1121  
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acaaaaatgt acatacaatg ccagaattcc ttaaaagcaa ctggtatcac attttcttct 120  
gcataaaaaca tgcattaata tcaactgccca catgttgacc caaaccatct ctatgagaat 180  
agtaagaaaa ctagtgtgta acaggtacaa aaagaggttt tctggttaag tggggaacct 240  
ttcttaggca agcccttcaa caatggcggg ttgcattttt gctgctcact gacactactg 300  
ctacaccttg gtgctgacct ataaagggca gacaactttt tggtagttaa atctgatata 360  
tgggaagata caaattttga ggacaacatg ctggtaacat gaaaagtgca actctcaaata 420  
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gccctatcca ggaggccagc tcagtgcaca caggct 516

<210> 1122  
<211> 544  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI230056

<400> 1122  
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cacaaaacgt tacaccgat cgctggcaga gacctttcag aaactgtagt cactgagttc 120  
attatgagtc aagggtgcttg tgggttggtt gaggaagaaa agatcaacac atcatacata 180  
aattcacaaa gtgctgaagt tacacacggg aaactaactt tgaagtaatt ctggtggtta 240  
aagtatcaac aatgaagatt caaggagac caaaccatcc catgaaagga ttagtttaaa 300  
tcagagagca aggagagcac gtcaccccca aaagccgaga ccatgactcc aggtctagt 360  
cacaccagga acatctgacc aaggaggtcc ctttcttctg ccatcatttc agttctatcc 420  
ccttttcaag ggcacgaat gctctgaaag tttcctgtgt cttggcttat acacatatct 480  
acctccctcc cagaaagaaa gctcaagaaa gcaggagtgt gcagtcttcc ttgttcctgg 544  
ctga

<210> 1123  
<211> 418  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI230074

<400> 1123  
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ccttctaaca ggaacagatg accatagctg agtaattttt ttcacagcc aggaaaatgc 120  
ttccttagtc aatgttctcc aggcccttgg acacatagta gcgattgaca ccagagatgc 180  
gtctatcgcg ttccatcaaa taccattggg aatgaactcg agcaactctc ttttccttgc 240  
ccccgttggg gaacttgtgg atgtacgcag tggacacccc ggggatgacc aggcacaccc 300  
ccataatggc gagggcaggg agaattctga accacatctt ctcaccgtta ctcacactcc 360  
aaccgcgtcac cgttaccggc tcctcagagg tgaccggggg cttcaccgcc ctcgtgcc 418

<210> 1124  
<211> 531  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI230134

<400> 1124  
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ggaaaatgcg ggaatacaaa cagtcagctc ttgctaacag aatttcaggt tctaggctcg 120  
atgcgatttt caaaatcacc aatccaaaaa aaaaaaaaaa aattgcttac ctcgaaaatc 180  
aagaaattcg aatgcagact tatctttgga aactacaagt gactacagcc caggtgatgg 240  
tcgcacactg cctttggctc gccgtgtcgt gtgcaaagt gtgagggcgca cttctgggga 300  
gtgacgttag ggcggaggga gccatgcgca ggtgcggcac atttgagggg ctcgtcaagc 360  
agtttggggg ttgataaccg acgttctacg tccattgggtg tgggatgaaa ttatgtgtgc 420  
ttgatcagac agatgtataa aattgatctg agcttgggtg gccatcccag gtgtctctgg 480  
ggaagtgact aagaactaag atgtcacctt gctagcacia gccctcgtgc c 531

<210> 1125  
<211> 501  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI230171

<400> 1125  
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cagaaatgag aaaggaaaaa atacttctta ctttttcaaa gaacagaaat agcgaagtag 120  
attcatatac attcaacata tactgcgcgt gttggctact acgatataaa gcaatgggtga 180  
gcttgaaaat agttcgcaag atggcacggt taataggctc actggctttt gtctgggtgg 240  
ctctggaggg tgggtgtctgc tcttccatca atccagtacc atgtaaacag gtcaggccga 300  
gcggggggag cagcaggacg gggctggagc atcagagttg gactgagctt ggaagccaac 360  
aatagcttgc taagctttct tgaaagtcag acttctagct agtaattagc gacacctgga 420  
gtggaggggg gattggagga tatgggacca tgggacaggt ccctagccaa gctctcacat 480  
tgaaaacaaa tccgttcaag g 501

<210> 1126

<211> 626  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI230228

<400> 1126  
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 actaacacat gaacaaccag aaaagacctc agcaaagatc tggaatgtac agattgccct 120  
 gggttaaacta caaaaacagc catgcatca cagtttgagg gtgggggtgt aactgagttt 180  
 tgtttaacgg cctaaccgaa aagcaaagaa acaaccattt cttctacttg tggcaagaaa 240  
 agtaaatcat ggaactccta gatccttctc atgaagcagc tttaaaaggc agtaggtgga 300  
 ggggtgccagt gtccacaaca gacgacggctc atgcacaaaag tcacgggctg aacgaactct 360  
 gaaaagcctc tacagaactg tttcattaga aattcaaaaag catagatata aaccgtatgg 420  
 tgttttaaaaa agttcccacc ccataaacac ggcctatcat gcctgtcttt ttatgggaat 480  
 tgcagtacac agatccagaa tgctcatcag tcaactgtga ctttaaccaa cagctgcaga 540  
 acctggccga ctcacagctg tccatccagc acataggacc tctcaacctc cttgggatac 600  
 gtcctaaccg ataaagaacc agttgg 626

<210> 1127  
 <211> 463  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI230270

<400> 1127  
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 tctctctctc tctctctctc tctcctaagc agtaaggagg agtgccatgc ccttctgccca 120  
 cagctgctgg gaaccaaggg gaaggcctcc agctctgtca tgagcttgaa aggctgctcc 180  
 gtccctgggt agggagtaga agggagcctg cttggctgag gatggttgac tcacatagtc 240  
 cagtaagcat agagcagggc gaagactatg aagatggcca ccgagagtag catgttcttc 300  
 cggttctctt gtcgaagcag ctttagctcc ttctcatatt tcgaggcttt gttcatgagg 360  
 gcgtttttct ccttctccag agacctccga tcttcaggac tcagctctgc cctgtggagc 420  
 tgggaggtca cggcctccag gtcctttcga cactgagaca act 463

<210> 1128  
 <211> 579  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI230320

<400> 1128  
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 agcttcacta tcataaaatc aaaacattaa gcaatattcc aaaaaagatc ttagacaaaa 120  
 actagccact gatggtacaa aaattacaca ctaacgcaat cataaaaaat gtaaaactttc 180  
 aaattaaaca gtcaagaaat ctgtatctgc accatttcat acaccatgac agttgctagc 240  
 tgtggctgca ctccaacgtg agggcttgagg tggagctgct gtctgtgacc tgatgctctt 300  
 tcaactggga aaaatgtgtc tggcacaagt tgagagctgg aactaaacag tgagtgtgag 360  
 tcaactggcta aaatgacaca cacatctcac aggcacactt cagttctttc tccaaatgtg 420  
 ctcttgatg ggagtaaag acaacaggaa caccgggtgt gagagccaca gccacacag 480  
 ctgttcctga agaaagcctg aatgggtccaa tccctgcctg caggaatgca agatatgcag 540  
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<210> 1129  
 <211> 547  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI230326

<400> 1129  
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 atgaggaagt ggaaccccaa actggagact gcgccttctg ggacagcact ggacagggta 180  
 tgtagtagcc tagagggccca gggccgtgat atgtacaggg gtgttctgtg tacccttggg 240  
 tgccacatca ggccacctgg gtgcccagtg catcttgatg ggctgacct gctcagaccc 300  
 tgcagggcaa ggctgagctc tgcgggcaca atagtaaggc gcccgccac cttaggtggg 360  
 cagtgtctggc ctggcactgg cgctgctatg agaagtagga accatggcgc acatgttacc 420  
 accctggggc agacctccta gagactctgt gtacatgccg gggaggccag ggtttcaggg 480  
 gggcagcagg acctgggacc ctcccaggga gcaacggaga cggaaggaa catgaacca 540  
 gactgct 547

<210> 1130  
 <211> 551  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI230373

<400> 1130  
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 caccaggatt ttaaggccac atgtgcatct ggaaggctgc agtctaggac ccatgctgag 180  
 acaagtctct gggaccgttt cttcacatga ggggttagcg atcaccttc agccttgggt 240  
 tgcaggtctc attaggcaca ttagcatctg tctgactttg aaatattgtc cttgaagtat 300  
 ggcagctgga ggtgagaaag aaaattctta ttccaaact ctaaggcaag cttcttcggc 360  
 caccggtcct acctacttca aaataagcca cgtgggttgt cttgagcacg tgtggaggtg 420  
 actagaccgc agcagagcgc tgcggtggaa ggggggtggg caagcgtctg gcttccaccc 480  
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 cagtcaataa g 551

<210> 1131  
 <211> 496  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI230395

<400> 1131  
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 catatcttaa atggatattc tttatctgcc agttaaaatc attttatgtc actgaaagaa 120  
 gaggttatac aaggaaagaa acatggctct tgtgttgacg aattgatttt aaatgagaga 180  
 atttcaaaaa ccaagaaatc catggtcata aagttttaac attttaatcc tacacattac 240  
 agggcaaaca gatactggac cctatttcca cattccataa atccaaactt tagttcccat 300  
 ttcaaacgtt gccctaacca ctaaaacat cagtgggtctt acaacctctg gattatggaa 360  
 atacagattt ctgaagtaaa agctacaaaa acaacaatgg aagaaagctg aacaaacttc 420

ccatgaatga aaataaaagt ggaacatcct gaagctctag acacttctct cccgtgtcta 480  
tggtcaactt gtcggt 496

<210> 1132  
<211> 663  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI230431

<400> 1132  
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gcttgctact cagagttcta aagaaactgt tcatgttaag aagtagctct tctaaattag 180  
aaatacgcag agaacaacaa ctagcagaaa ggcaggagac atacaggctg caggaagatg 240  
cgacagttct gaaatcagac cacttgctcg tgaacatctg taagcatcac atcggtcttc 300  
tctctgaatt tatatacatc aaaaatatac tccaagctgg tcgcggatgg aaaataaagc 360  
atacaattta aaagcaaaat ggtgagcatt tacaacaaaa tgtgaattac ctgtacacac 420  
gttttaagag gcacaatctg ttctatacag taactgtcat actgaattca tattatacac 480  
agtgttatct gataagtggg ttgagtgaac acacagtacc gaaacattga tacaaaataa 540  
attacatatt acttagtaat tttaaagtta cagacttcaa aaaaattttt tagccaaatg 600  
ttcaactaaa aacaaatttt atgaaaaatt atgtcagatt ttacaaatgg cccctttcag 660  
gct 663

<210> 1133  
<211> 546  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI230439

<220>  
<221> misc\_feature  
<222> (1)..(546)  
<223> n = a or c or g or t

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ccaggtgggt caaagcaagg atgacccag gctggcaaag tcttgatttt caggctcagg 180  
ctgcaggtga cccttggtgt agctgggtta taggggcagc caaggactca ggctggggac 240  
ccacaagctt gagggtcac tccccgttgt gcctggcttt tccagtcac cgacggcggc 300  
gctgggtctt gctggtacga gtggcacttg gaggtttctt ggtggagtcc tgcgcccgcc 360  
gaggggtgtt cctcttgacc ttcttcgcac tgtgtgcatg cagtgtagct gtgaggagg 420  
agatgcgctg agagagcacg ggatccttgg acttcttggg caaggctttt gtaggctttt 480  
ccatggatga cacctnctgc tcctgggacc catcctgggc cccttgctca ggcaggggta 540  
gaccta 546

<210> 1134  
<211> 651  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI230577

<400> 1134  
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 agcgctcgcga cgtcggggcg agagttcgca gctttctttg ctcgggccgca ggaacagata 180  
 tttcgtacgt cactaccggt ctacatctct ctttttagtaa tttataagct tagatcgccg 240  
 attagaagac ggcgtagcgc cctccaaggt cggaagaaga gggcgccgta aggggagagg 300  
 gatagtttat cgggaaagta gatgtccgag ccgagagtta cactaagcag tacgtgtcgc 360  
 gactgcccac aacaacaaca aagatcctag taaccagacg cccactctaa agtagggatt 420  
 tacggaaggc ccataaaaag gcgctcttcc ttaatccgga cctcgatgat cttcagaaaa 480  
 agacgattcc cgtccgcgta caccacaac agcctgcact ataacaaacg cacctaaatt 540  
 ctgcgttgaa cctccggttc tgagggttaa acctttcaca gcgagctgca ccaaacctgc 600  
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<210> 1135

<211> 385

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI230614

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<210> 1136

<211> 585

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI230716

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 aatgtttcag ggagatgtta actgaaaaag caaaactaca atgccaaaaa atatgtgcag 300  
 cctctagagc gctccacgtc cagttcagtc aggagttctc ggactgtatt agtgtcattc 360  
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 gcctaaccct tggcatcaat gttctgatgg ctggcaacct gcatattatt tgagacagag 540  
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<210> 1137

<211> 669

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI230743

<400> 1137

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<210> 1138

<211> 667

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI230759

<400> 1138

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gattccccc caaaccccag gccctgagtt tgggtattct tctctctgtt cttgctagga 300
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acaaaatgcc ggaagctcaa ggtggagtggt caaacacac ccaagggcac tgcccaggag 600
ctaaaagcct atactcagga gccctggat gacaagaagc aaagaaagaa aatacctaag 660
tcttaaa 667
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<210> 1139

<211> 463

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI230951

<400> 1139

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<210> 1140



<211> 296  
<212> DNA  
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<220>  
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aattgaaaca aaatagtatt gtatagtctt ttaggaggca ataagccatc attattagt 180  
tggtgaacc tccttatcga taaccaggct caggttgggt atagccctga ccaaaaggag 240  
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<210> 1141  
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<212> DNA  
<213> Rattus norvegicus

<220>  
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cactgccagc aattcttcaa cccaataaaa atatctatta aaaccagtt tgtacctgaa 240  
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atactgaata tgaacctaca aatgaaaata ggtaaggaaa agtaacagtt ttgtttttta 480  
atatttgcta attttttaat gccttagttc ttgagaaagg ccaaaatctc atgttgacat 540  
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<210> 1142  
<211> 454  
<212> DNA  
<213> Rattus norvegicus

<220>  
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<220>  
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gagatttgta aaatacaata tcttaggggg tcggcaataa taaaaataa gggttcattat 240

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<210> 1143  
 <211> 527  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI231007

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 gaaaaacaa tctttatgcc tgattttaaa aagttgaaaa gaggtggatt tttcctttat 180  
 ggtgctgaaa ggaaggatgg agaagagga gaaaataaaa ctgtgaggat caagactggc 240  
 atcttgtctg tacttatttt caggacaact ggggagaacc tgctgatttc cagagctgat 300  
 cccagcctgg gacttcggga aatcactgag cacacagccc atgtctgcca tattgggttct 360  
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<210> 1144  
 <211> 327  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI231010

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 ctgtcagggg gagccttaac cactgataag ggtcagggac cgaggaaatc cacgcttttc 180  
 ccaggagtgc agggactttt ccatagtcca agccgctttt gtcaggcttt gagcgttgag 240  
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<210> 1145  
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 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI231011

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 cagaacccac agacacacag ccatgttcac agcctgacat ccaagctccc acacaccga 180  
 cctctgaggg cgggaggaag gtgctgactc agatgcctgg gagaacacat gaacttgtaa 240  
 agaagataaa gaaagacatc catgttttga tattggaact aaaatggtaa gggctttggc 300  
 cagagtaaag aactgctcag tcgtatagaa aaggcattca gctgtcacat gtgtttatat 360  
 gaaaagtaaa agaagcccgc agtatccagg gttgggtactg tacactgtgg tttgggtgtc 420  
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agtacacatc tggcagaagc cacctgagac cattcaccgg tcctctctgg taatgctgca 540  
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<210> 1146  
 <211> 461  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI231127

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 caaaccacgt gtggtcacaa gacataattg acagaaacag ttcaactcat agcttatagt 180  
 gatgccattt ctccagcggg acaagagctt tacaggatgg tgccagggct ttcttgagcg 240  
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 aaaactgacc tctctcccct taacatccca acccatccaa g 461

<210> 1147  
 <211> 523  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI231140

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 tctccgtcag gccgtatcag agtattgact ttggccacat ctatatcata gagttttttt 180  
 caccgcctgt ttgatctggg gcttggtggc cttaacatcc acaatgaaca caagcgtgtt 240  
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 ccgcagggtc ttgggccgtc gaaagcgaag aaggagctc ctgcccctcc caaagccgaa 420  
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<210> 1148  
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 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI231159

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 agaagctcat ctgctttag agggccagggt agaagctcct gttctcagggt ctgcggtaat 360  
 ccagcctgca agtcccactg gtgaggctga acaaggggtg gaacacacac tccatgctgt 420

acagggtctt ctcgatcagg tctcgagcca tctcctgata ctcttgaaag cggcaggcat 480  
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<210> 1149  
 <211> 574  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
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<210> 1150  
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 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI231196

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<210> 1151  
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 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI231226

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 tttctttaga tccaagagtt tagccacttc tgcagcaacc tggttcttgt ctgccttctg 180

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tgctttcagt tcccgaacta tgtttccctg tttggttacc tcatccacca gcacttgtat 240
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<210> 1152

<211> 586

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231309

<400> 1152

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<210> 1153

<211> 525

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231310

<400> 1153

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<210> 1154

<211> 446

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231388

<400> 1154

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<210> 1155

<211> 534

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231439

<400> 1155

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ccaaggcccc ccgcggctct ctgtattgtc ccttggaagg gttcctgcga ggtccctcct 180
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<210> 1156

<211> 526

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231448

<400> 1156

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gggtgcacag agggggcgga cagcagctcc agaccagctt ctccaaaag cctcgtggtc 180
caagtccggt ggtacgcact ctgggcaggg aggggcagga ccatgcagtg cataggcgag 240
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gcttgatgaa gccgatcagt ccattagtgg aggagtcatg ggaggttacg gcagagctgc 360
cgtccagctc tggtcaatt ttcttgcca gctgcttccc cagctccact cccactggt 420
cgaagctggt gatgtcccag atgatgccct gaacgaagat cttgtgctca tacatggcaa 480
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<210> 1157

<211> 446

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231506

<400> 1157

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```

```

gtaaggaaat atatatatat ttctctcttc taacattttt atgcaaatta aaaatcagag 180
gcttttggtc tctccatttg cacaagggtca agctcattta cccacagga caaagagatt 240
gtcccttaaa ctctccttcc ttctttgtac tctggccac ccagtgggga aacagaagat 300
cccaaggcag ggcaagagct cctgtgacct gggaggagga aagacaaggc agctacttcc 360
ccaccctgac agctcccaca ctactgccag ggcctgggtc cgaggggtcc tgacagtcct 420
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<210> 1158

<211> 542

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI231547

<400> 1158

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ggttgcctgc cacattgttc ggctcaccct tcctctcagc atcagtggga tggctctctg 180
cagccacttc tgtcttgccc ttatgttcct cctcagccag cctctcaaac atgttggcat 240
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tcttggcggc tttgttgctg ggatagagct gcaggacctt ttggaagtca gctcgtgcc 360
ggcacaagtc attcacggcc aggtgtgcct ctcccggcg aaacaggccc ttctcattgt 420
tgctgtccag ctccaaggcc ttgttacagc ttctgatggc agctgagaag gcctgcagtt 480
tcaggtgaca catggccaga ttgagatgtg aggccagtcg gagcgcatgg accttttgca 540
tt                                     542

```

<210> 1159

<211> 689

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI231763

<400> 1159

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aattccttca ccatctcctt caccgctctc ttgttctact gctcacgaag tatctgctgg 180
ctgaagggtg ccttctgctc agggctgaga cgggcagatg gaaagccagg tggctgtaga 240
gcctccttga tccacatgct taggaggctg aagcagtgtt tgttcagggc gaacaggatg 300
tcagcaaaac agtccatgag gctacgggag gcctggcccc cgatggcctc cagcactgct 360
atgagcagca tacggccatc ttctgttacc actttcccca cagattctat ttccccacat 420
cgaggcagca gctcagtaaa gaagccacag gaggccttga cagtaggtgc ctcagggaac 480
ttgagggcca gcacagcaca ctggaacaca gctttgacat ccaatcgctc acactggaac 540
aaatctggct tccgcttcaa agcctgtgcc aggagttgca taaatgaatc aacaatatca 600
ggatgggtcc tgggcccctg ttggaagaga gagagtgtga cggaggtcac cagcaggaag 660
aaggcctcta ttgggggaaa gtgggcaag                                     689

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<210> 1160

<211> 664

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI231792

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 ccttgcatat ctcatgttag ctgaagttag atgtttcagt aacgaaatga aggttatctc 120  
 atcaaaatgg tggcacatct caaagacggg tttcttggtc ctgtaactct ctgcctatcc 180  
 ctcaaaacct aaaacccccct acggtccaga gctaacagga agacagccca cagccaaggc 240  
 taaatcacgg tacccatgca cagaaagggc tcccaaacia gcagaggggt tagacttctg 300  
 gaacgggcaa cttgtttatt tatacgggtg agaataaggga agagaagccc ccttggttag 360  
 cgctttgcct ccaccccaag ttactgcata ccaagcggct atgaataaag acaaccagct 420  
 gactgcaagt cccgcagtgc atgcatctta aaaagtctct acaacgcgga ccctagggag 480  
 ccaccgggtt gccagccgag tctgctgtgc tgctgggggt tggaggcgtg gcggctttgg 540  
 cttctagctg ttggctttca gtttgtggat cttcgttttc aggaccttc ttatccttgt 600  
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 ggaa

<210> 1161  
 <211> 410  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI231797

<400> 1161  
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 agtaacgtga agttactgtc tgtattggag aggttgtagc tgacaaacac ctgtttgctg 180  
 gtcttctctg ctaaacgctg agcaaggccg gtggaagtcg tatcagaagt gtctccaaaa 240  
 agggaggtgc acacagggat ggagtcagga agagcagtc cgttagccgc atgacatgaa 300  
 agtggacgag ctgctccac agcctcgac tgaagtgtg aagcgacacg tccgcggcgg 360  
 cttgcggctc ctccatcccg ccagccaccg ggcacagcc tctcgtgcc 410

<210> 1162  
 <211> 651  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI231798

<400> 1162  
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 aatctgtcat ctgccccatt attcattggc agatgtgtca aggttttagg gtctccccac 120  
 caaaggggag attctgacac agtcaaagac acttggtccat caaatgactc acaggacctc 180  
 tctgccaatc ctggcagtta gactgggggt cccttggtc tccctttagt ctctgtttt 240  
 gcagggtagt cccaggggcg cattcgagtc ctctccaggt tcaggagcgg ctctctgacg 300  
 ctggatatcc cgtttttctg tcgctcagcg aggatcatgg cccgcagcag aggtgggtag 360  
 gggacaaggt tcaatctgtc ctctgctttc ccagtgaacg cagtgaagc ctctcctc 420  
 tgcttgggta ccaaccgcca atcggtgtac atgacttgct cgatttccc agccgtttcc 480  
 tcaactttcc ctttgaaagt caggatacc caggccctcc cgtggtccaa gttctgcgcc 540  
 gtgtagtcag gcctcacacg cgtgaggcgc cagtagcatg gctcgtcgtg ctgccacagc 600  
 caggacttgc gggtaaccag acgaccagg ccaaacaagg ggaagcgggc g 651

<210> 1163  
 <211> 652  
 <212> DNA  
 <213> Rattus norvegicus



<220>

<223> Genbank Accession No. AI231800

<400> 1163

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ggtgtcccat gcctttaatc ccagtactca ggaggcaaat gcatgtggat ttcttagttc 60
aagtccagca tgggtctacaa agagagttcc aggacagcca aagaaactct gtctcagaaa 120
aatataaaca aacataagc aaactggcac tgtgtggtgg tgaacacctt caagcccagc 180
acttgggcaa aagggacagg aggactgctg catggtagat gcaacctgga ttacacagca 240
agaccctctc cccaccaaaa agcaaagcaa aactggacct aagactcaga aaggtaaagc 300
agtggattta ctgtcgtagg aggtgagca tctgcatgtt ccttatgttc cagaaatcct 360
tggaaccgag gcgctagcac tttaaacagc tttgggatca agtccttctc agtgagccag 420
aagtcagcca tacgcatggc tcgttcgttg gtgtctccca gctttccata gtcgatgagc 480
ttctccgcgt agccctcat ctcgtccacg cgtgcccatg tcgcctcgat gcgttcgtgg 540
cgaactaggc ctgtgagcaa gttccgtaga aggtggatcc gggactcggg accgaggccc 600
aggcggcggg agacgcggcc gtgggagata gcggcagcta aggacaacct ta 652
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<210> 1164

<211> 712

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231801

<400> 1164

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actccagtga ggatttcaaa catttaccta ttaagaaacc gtaaactctc tcaagacaaa 120
atgtgaatat aaactttttt ctagaaaata tatgcacata ggtatttctt agaccatgtg 180
tagccactc ttctcttggg aatcttcata aaagcgcctc agtgactccg ggattctggg 240
tgtcacaatg ctcaaggctt gagtgaaatg cctcttcata atgcagtcag ctttaatgtt 300
ttcttccaga gctaggagag cggcctcctt gcagactgct atgatctctg ctctgagta 360
ggtgtcagtt tggaggacca gtccatccag gtcaacctcg ttaactgattg gcattgagtg 420
gaactgcaag ttcagtattt cccttcttgt tgctgcatcc ggtaagggca cataaatgat 480
cctgtcaatt cttccaggcc tcatcagagc cttgtctatt ctatctgggc gattagtagc 540
tgccaaaaat gtcacatttt ttagctgttc aattccatcc atttccgtta acagctgagc 600
caaaacacga tctgcaacat tcccggcacc tgaagaactg cccctttcaa cagccaaggc 660
atcaagtcca tcaaaaaaga taatggaagg tgccactgct cttgctttac gg 712
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<210> 1165

<211> 591

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI231805

<400> 1165

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ttcaaggaaa atatccaacc atcacaaaca taaaatttca actgtaaaat tgaaatttac 120
accaataaac acgaaaaacc attttcgact atgtgtacc ttcgcttgct tatgcaggat 180
ccaaagaatg caggcaaacc ctaaaaatgt agcagaagca tttccgcaca ctggcatcaa 240
aatcgagttt gtgcagaagt gtttccacta gattcataga gtgttctttg gaagaaagga 300
gcagcgagta atcatctggt cgctctccgg actctctgca gctcctcaac aggcttccat 360
tcctggttga tggttaaaag cttttggggt tgagttaggat ccaccgtttc ccaaggttct 420
gggtttcttt ttcgatcaat aaccacgtcg gtttttttca aagcatacaa agcaaaagat 480
gaggctccag tggctgccgc gcttataaaa aacgccaaag gaatgagttc cttatttttc 540
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<210> 1166  
<211> 574  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI231808

<400> 1166  
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gggggtgggga ttttctcccc acaataaatg actactatgtt atttatgtgg cttactacgg 180  
gtataattat atagttttgg actttaagaa caagaaatca aagtattcag aagagacggt 240  
ttcaggcatt tcttggtctt ttcttcagag gttactctgg tgggcacaat ggctctcaga 300  
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tcccatctcc agctcctgga acaccaggga gagagtgcg ggcagggtg cctaagcgt 420  
cttcttgctc tttcagagat atggaatttt tgtggggaga tttatgggtt gtgttttcat 480  
gagggtctaac ttccgatctc ttctaggaa gtgggggttg tttagctggc tggtaaacct 540  
gactacaggga agctacggga tggtaggatg gctt 574

<210> 1167  
<211> 578  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI232006

<400> 1167  
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gatctcctct tcctcatcac tgccgaacag gtcaatgtca ttgtcctcgt cgtcctctgc 180  
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ctgtggggct gtagctcggg gagtaggtga actcttctcc agagtgtca gccggacctc 300  
caacttgaa atggcctgct gcaaatcttg caccacgct cgaaagttct ggttctctac 360  
ttccagactg gcaatccgca caatgaggtc actgtggtct ccaccaggtc cactggaggc 420  
tccagggcct gaacttccag ccaaggattt ctggatgttc tctctggctc ttgcaatgtc 480  
tcggaggatc acgctggcgc cattctcctg ccgagagcca acggtcacag gccattcat 540  
ctgctcgtag aaatcccttt ctggatcggc atatttaa 578

<210> 1168  
<211> 586  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI232065

<220>  
<221> misc\_feature  
<222> (1)..(586)  
<223> n = a or c or g or t

<400> 1168  
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aacaactgtg gaagccacaa aaaaaatcta taattttaag gcttgagggt gtcactttgt 120

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aataattggg tacggctgaa tagttaagaa acctgttgct tttattttaca ctcttgatcc 180
agcaagaatg atgacatggc ctcggggtag tcatctacac tggctttgat tttatgaccc 240
attcagcatt tgggttcaga tggtagaagt ccttcatgta tgtatcgtca tcaaggcaac 300
gttccccaat atttcctcca atctcataca ggaaaacttc tcctttcttg agtgtctggg 360
caaccccact ttcttggtc agaaacctgg caagtacgtc gctgggtttt agttcttcag 420
ttagctgtat tgccatggaa acttttgaaa gatggggagc ttgcactcga atcactccct 480
gaggaacgtc agcaccattt gcagctctgn cttgcttttc gtgtttttcc cggtcatacg 540
ccattttctt cagcaatttc ttcatggctc tccttttctt cttctg 586

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<210> 1169

<211> 582

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232087

<400> 1169

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gggtagcata aatttttctca aactttaatc ttcacaatta ttttctactct atacacttta 60
ttgaaaaggc cttagatttat ttgacaaaat gattatgacc agaataaaga tatcttcttt 120
ttcatatatc agtaagtggc tggaaatagt aatttagtca tgtatcctgg aaaatgagtt 180
tcaaaatctt cctctttttt tttgaggtca gctactgtca ataattggaca ttaggcaata 240
gatcataaca cttcagtaac atgctgtgtc agaaccttgc ataattcaca cattcatttg 300
ctctctgcta cattatgact tcatggatta aagtttatta aattccaaat atttcttgca 360
ggaggggaat agtaaaacat caggataatg ctgtcttcat ttttaaatat atattgttgt 420
tttaattgat acatagtaat tgcacataat tatggcacag tatgacgttt caataatgta 480
tagtgtacat aataatcaaa tgaaggtaat tggcatgtca caccagatgt aactatttcc 540
tttctttctg ggacatggct attggacata gtcaattaat tg 582

```

<210> 1170

<211> 539

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232103

<400> 1170

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gaaatggctt cagatcacac attgtcacag aaccagcccc attggattgt cccaatcctt 60
ggacgcagag cccgaggcag gcacagtggc tttgattgac cacttgtggc cctgagcaca 120
caagtccttc cacaggacaa gtgcctttgc gcggtctgtg agagatttgc ggacttcaga 180
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ggatctcagg ggtcaccaga gaagccactc tgagtgacaa gccccatgtc gtgtatggcc 300
ctcaggaaaa aaaatgagca ccaggctgaa tctggccaca ttcttggctc ctgcccacgg 360
tgacaggaaa cagggtcaga tatggggtca ctgtgaactt ggaaacctgc tctggcagga 420
agtgggggag ttgggagagt tgggtccac tcctcaagca tgaggagagc cagttaccac 480
atggatgagc aggtgcccgc ctgtacaact ggccacagtc actggacggt gaaagggga 539

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<210> 1171

<211> 486

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232209

<400> 1171

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aaatatctga aacctgtatt cagctttgga caaatgtgtc ctacaggacc aggcttaact 120
cctttgtctg cagagcagga ccagcatgct gaccctcagc acagggattt ggtttctgcg 180
tctttatttc tgtcttaatt gctatggttt aaactgacca gtaagctcct accctgcat 240
cacctgtaaa tagcacactg agaagtcagt gacgacaaag tcagccaatc tgaaagcaga 300
gcaaaagtag ctgggaactt agatcctaag agcatagcac tgtacaactg gcaaatagtc 360
agtcacactt gggactcagt ggagacaaat aaaaagccaa tcacagcaaa gtatacatca 420
aactctcaag tgcagcgact tgccaagttc cagaactttc tgtttgagca aacgggtactt 480
tatacct
486

```

<210> 1172

<211> 564

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI232266

<400> 1172

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ttttatctgt aaagcttggc ttaatctaca gttcagttac tttagaagta gttaaattca 120
gttaacaatt aaaaagataa cacaaaccta aagcaatcta tgaaacaaat tatttacaat 180
taaacactta gggctctgat tcacaaaaat tagtgcattt catgattgat ttgtaagttt 240
tatacagaaa gcaagcagga tgcagactat tccccctgga aaatctggaa tgaaatgaat 300
ggctgttaga agacagtctg ccaatctgct acagcaaact tgagagaggg cggaaacctg 360
gtggctgcac tgacgactgt tctcagcaga ggtcagacag gtggtaatgg agagcagaca 420
tttgacagag ctcttggtgt acatagaagg aaaaggtttt ctttttcaga tgaaactaaa 480
tattctctga gtctgtatat tcagacgaat ctaggatttg tagtttcttt tctaatagct 540
ggcagagttc aattccgtgg cagg
564

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<210> 1173

<211> 588

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI232269

<400> 1173

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ttttaaatth gaaaaaagaa aactaaaata agaccaaaca accccaaacc caatcccgcg 180
accaatacaa gtagttagt gatttaaaca tctcgtttct gatgttcacc tggcacaact 240
ccagtgtcaa aacccaaaga actcctaacc taagagatca gcttagggta atttaattac 300
ctaaattctt caaagcagaa acttgggaatt ttttgtcttg gaaatgttat aaaaatttta 360
atagcaaaac ataggaataa aaacatatta acaaaatgta ttcaatcatt tacaatacaa 420
acaaggaatc tgcagtctgt tgttgtagcc tgacaaaaga aatgtatcca ttaagaattt 480
gtgcacaatg taattgcaaa tatgtacagg gctttaagaa agccgacaag gaggacttta 540
cagagggaca gttggccagg ctctattaga ccagacaatc aaaatatt
588

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<210> 1174

<211> 618

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI232273

<400> 1174  
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gcaggcaact cattcacaag ataaagcaaa tgtcccagcc gttggcgatc tcctagcctg 180  
tcatgactag aggacttgtg cccacagtca catgaacccc tacacaaaac cacagtgcga 240  
agtcaaggaa gcaactgccag gacactgtac agcagatggc cacttcccga cggcctctcc 300  
tccaggtgag tcggaagccc acagcctggg cctctgacgg atgtcactgg agaaccagct 360  
ggcagccacg tggtagaaac agctttcatt ggcacatctg tactttcaat ggaaaagaaa 420  
tgaagtcttt aatgttagga ggctgtgctg tcttgctggg acatgtctgg ctgtgggtccc 480  
gctggccctt ggcactcggg ctcatccaca cacagcggag cccgctgtct gtctcacagg 540  
atcacttgag ggtcttgctg aggttagaga agccaatacc aacacaggtc attagcactt 600  
tgtccccgcc cttgagtt 618

<210> 1175

<211> 641

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232294

<400> 1175  
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attattaaaa ataatacaag acatgtgcat taaaaagtaa agaatcgga aacgttgagg 120  
gttttagttct aaagagggtc tagaccacac tcttatcacc attagcaagg ttaggaagtt 180  
gatttctggc taatgatcat cacaggttct ataatacaga acagagagga gttttctaac 240  
catcatcacc acacactaac catcaacact caataatagt gtaatatctt tggaaaagcg 300  
caaaaagatt tctttagtgg aatcactttg gaaagagtaa caaacaggtc tctggattcc 360  
caaccttccc tccaccatcc tgcaaaatcc atgctgggtt ctggcgtagg gtctgggttt 420  
taataggagg cacaagggtat gcctaactaa ggtcaagctg tgcccaccac catttgtoct 480  
gaggactatg caacatctct ttctgggagc cacgttcctc ctcaagctgg caccaggctt 540  
tagccttttc cttctcctgg catgaaatcc ctgaggtaat tccagtgtct tgtgggtcatt 600  
gtctcagcag tctatggagc caaagaaagg gcacaaaggc g 641

<210> 1176

<211> 614

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232303

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caaatatggg gggtgggtca ggccagggca gcagatgaag gaaaagggtga ggggtctgtg 240  
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gggctagagc ctaggagtgg ggtccattct gaagcagggt ggtctcttgg ctcccgatgg 360  
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cgactgtggg aagcatgagc acagggaagt atccgaagct tgtccccgtc ctcatactca 480  
tccagacaga tggcacagac atcatactca tctccttttt gataatcatg agtaggaatc 540  
tgtttcagtt gctctttggg aagtctgttc cggtgaagcc gcttccgggt ctggatgcaa 600  
cgaactatca atac 614

<210> 1177

<211> 601  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI232328

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gagggctccg gtctcactta ggctctgttg ggctcctgga agtgggggtg aagtgggcct 240  
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gaggggtcat ggcactgtgc aaactgccat gatggtcttt ccaaagaaag ggtggtgata 480  
tcatttacat ttttaaatta aaaaaacata acagaatata gggccagtag cacagcccac 540  
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g 601

<210> 1178  
<211> 601  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI232340

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caagtggaaa aatacactgg ctgacattgg caagctacaa tacatctata tgcatatat 180  
atttctttac aaatcgccag tagttcaaga ccgtagaggt tatctactga cactactatg 240  
gcttctcttc aaatatagga attgactaca aatatattct gaaatacatt tgtcttccaa 300  
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ccaccagggc cgtctgtgat cattaggacg tatccaattt tatcttggtc ccatttctga 420  
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atctctgata ttcgaaaact cagagcccac ggagccactg ttgaaatata taggactcag 540  
gggcaattgc aaaagtccaa ttccttaag ttttcaaatt taaaattgcg tttcggataa 600  
t 601

<210> 1179  
<211> 572  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI232341

<400> 1179  
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gaaaagaggg gtgtaaagga acccccatct tctaacttag ttgggggaac aaacatggag 180  
tagatctgtg ggaggtgggt ggagcaacag aggagggctt cctaaagcac aatggggcct 240  
gggaatcagt cctctgtctt cctaccagac cctgcccttg aaggcctctt ataaactctc 300  
agactgtgag ctatgccatc actgaggatg aaaaaccagg aggtggacat ccatgacatt 360  
ggttcccgtc aaccctgtat gcagcaaatg tgttccacc tggaagctgc aaaagaacgt 420

gtacgagtca ttgttgtcga ggaaggtggc aaaatccagg ttttcagcag aagcctggct 480  
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gcctccactc aagaacagca catcaacagg cc 572

<210> 1180  
<211> 506  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI232408

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ggcctaacta ctaagctagt aagatacgag acattgatta agtttagaaa ttataatgct 180  
tttctttttt tggcattatt taaaaaaatc tttaaaatac atactcaaga gagaaaagtg 240  
actacttaca ccagcaccag tctaaaaagt ccattttttt ttttttttgt aacaatggca 300  
catgaagtta cctgcacagt ctttaggaaa ataaaccgga agctgggaag ggcaaagggtg 360  
gcctaccagg agggctacat ggaagtgagg aggattctaa gaaaggcaag gggacatgctg 420  
acacagactt gctctctggt gtgagtctct ttcacagtt ccaaaactga gctggacca 480  
acttttctg ctatcaatag aaaaga 506

<210> 1181  
<211> 446  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI232409

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ccagtccctt tctcaaaatc acagataaga ctggcatcct tcccctaccc ctactctctgc 180  
tgtagaattc tctgctgcct ctctggtct tcaagcccca tgagactcat gccaccccc 240  
accgattttg tgggatgaga gcgcttatga tgtggaggca gctgggaagt gtgaacaaga 300  
ttccagagct acagcctgga aggggttgct ctcgggtggc cctgtaggaa ggagcagatg 360  
atgtcagcca cgatctgggg cttgttcctg tggatgtagt gattgcctgg gatttccaca 420  
aactggaacc gtcctttag ggtgga 446

<210> 1182  
<211> 359  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI232419

<400> 1182  
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cagttatcat tgcctgttaa tgattaaaac aatgggtcaaa taatcagcaa ggtacttctc 180  
taaaatactt aaaagatatt ctgaggagtg cagggcaggg acataagctc acccagaaac 240  
acacaattca ctctgcatgg ccaactagac ccaaagggtg gctgagctga gctgagcact 300  
gctttgtccc atgctcctgt tgtacatcca cagcaggagg agatggcaaa gcagctgcc 359

<210> 1183  
 <211> 436  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI232489

<400> 1183  
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 gtctctggta actagcagca atccatttct tatgatgggt tgcttgactg ccatttggtc 180  
 tcatgctcca gaagaatctt ctctgtgaat agtcctctcc agctggaccg ggaggaggga 240  
 cgaagcctct ctggtaaaca ctctgatttt gtgaccattt tctgaatgag tacgctgagc 300  
 tctgggtctg aacatgctgg gacgattcca gatgaccacc acgtcggctt ttcttaggtc 360  
 ctttgttcac aggtttgtta gtggtgtgga cttgttctgt aagatgtgct gagtcttcaa 420  
 gaccacctga tctaaa 436

<210> 1184  
 <211> 547  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI232494

<400> 1184  
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 tttctgaggg gatccagagg agcagtggcc aatggcaa atctctgtga gcacactgtc 180  
 tgccctgtgc tggggaagag cccccactat gtgtcgctt tggaccttg tttgtgagccc 240  
 ctaagaatat ttctcagggg attttgcctg acaggatcac actctgtggc tcaagcaggc 300  
 ttgtaattct ctacatagac aagcctgcct ctgaactctc aatcctgtc tccagtcttc 360  
 tgcgtactga gaatacaggt atacgtcact atgccccact cctagagaac agttctaaag 420  
 tcaagacatg atcaagatgc ccgtgacacc atggcagagt catgccaagt ttctgtggtt 480  
 tgaaaccttg gatgtgagtc tcattattca aacacacagc tgcaatgcaa aaggcaccag 540  
 aaggcca 547

<210> 1185  
 <211> 535  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI232534

<400> 1185  
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 acaagactga gcccatcctt gaggggttgc tttcacctcc aggatgctct gggcttcttg 180  
 ggctgactca agacttcata ggcagcctgg atctctagga agtgccctct ggcctcctcc 240  
 gtctgggtgcc ggttgtggtc tgggtgccag accttcacca ggtctcggt actccgatgt 300  
 atttcttcat tgggtggtcc ttctggaatg ccagaaacct ggtgagccag ctgacgtttc 360  
 tcatcctgaa aactgtcaac aaattcatag agcttttccc attcctggaa ctggctgcta 420  
 ttgaagccag gagccccaac cagtagccac cagatccggc aaggcagaag caagacagac 480  
 tccacgagac gaccgagaag tgggaaaaag ttgaaccaac tcaagaaaga accaa 535



<210> 1186  
 <211> 510  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI232552

<400> 1186  
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 gagacagggt ttctctctgt gtagcactgg atgtcccaaa actcactctg cagctcaacg 180  
 tccagtagga atacattccc taggtcaagg acacagggac agcaactcct acaggattcc 240  
 agaacaccag tgtaaagaga aaatcctctg agacactgac cctcacctga gcagggtagg 300  
 cggcctgagc cagccctcca cccttcagct gggacagggc cttgcggatc gtgttcagct 360  
 cctggattgt ggctcctcgg gccgccagca gcttggtgag cgtctgtttc tcctctagt 420  
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 gcaggtcgtc ggcagtgagc ctctttgcc 510

<210> 1187  
 <211> 370  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI232611

<400> 1187  
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 aaccattgat taataacat taatgccccg aacatgaatt tcatgtcatc cagcagaaaa 120  
 ctgatttcac atagtactg gacattaaaa tttgacctg aatctgccat gtctgttaca 180  
 ggcaaacgca ctacaatctg caggaggctc tgttggtgag actgtccagg tgtttgccaa 240  
 agaaggatag aatttgcttc catgcatcta tctgggcttt tgagttagcc ctgacctccc 300  
 ctccccagac cacagctttg ttcactatth tgtgcaggga agctgggcac atggggaagt 360  
 aaggtggctc 370

<210> 1188  
 <211> 448  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI232612

<400> 1188  
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 tggttttatg aggctgctca gtgacttgga ggctagcctg ggctatagga gaccagctc 180  
 cacaaacaaa aagatccacg gatgagaagt tgcttcataa ttcacatcca tcaatcccat 240  
 ggggacagcg aggcttcga ccaccataa aagaaagggt gtgtctacaa tactgtggct 300  
 tctactggcag ggactacact tggccttgga aggagtccag gtcacatgtc acattccacc 360  
 cttcctgaga gccctccct cctggcctgg aagttcaaag tcagctggag acaaaggctg 420  
 gctggcgtcc caaacacact tgcaaagt 448

<210> 1189  
 <211> 605  
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232643

<220>

<221> misc\_feature

<222> (1)..(605)

<223> n = a or c or g or t

<400> 1189

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ggatttttaa tgtgaatggg tgccaaccat ggggactgga ggagggtggg accagcaaag 180
aggggcgtac atcattctta cagcgactct tagacttgga atcaatatgt gctcatcata 240
tacatattta gcccaaata gtatgctcag gagtagaatt tcttctgtct ctataataaa 300
aaggccaaag cacttcctta acattcgaaa tgtttcccta gtagacttgg tatagtaaga 360
gaatgattgc taaacatcct caatgtgggt ttcattatga aaaaacatgt ttcacataaa 420
atcttcataa tataatccag aggccaaatt tgtgcatgtt taaaatttga gtccaggcta 480
gatatttgga ttttccccc cttccagtgt ttttcatttt tataaatata tacctagnct 540
tctactactt taaacatact cggaactctt ttagaaacca tggctgcctt tcagtagcat 600
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<210> 1190

<211> 646

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232700

<400> 1190

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aggggtcaaaa aataaaaaca aacaaaaaca aacaaaaaaa accccacaaa acaaaaacaa 180
agcctcctcc ttccttaaac aaaagaaagc caagaaatgg tgtctgctct agctcagtgt 240
gaaggcctcc ttagaggtag gggagcaact gactttatta ttttctaaca gtcattgagt 300
atgatgctac ttaaacccct agacagtgcc ttcaaaaaca ccctcttcct ggggtccttt 360
tctacaaaca tcccactgaa gggataaatg ttctccttga acccagagcc acccaaatg 420
ttcaagtcaa aaatattttac acattttata ctgagttctc ttttgtctgc taaaaatagt 480
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gaggcggccg atgggacaca agcagaggct attcaaccag aacgttttaa attcccgc 600
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<210> 1191

<211> 594

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232706

<400> 1191

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tgactgaaac ttagcatcta tcttactgca gggaagacaa agcctcatca cacgacaaac 180
agctaactca gcaggcatgt gcacgcgtca ctttcctgtc cgtgacaagt tttggaaaat 240
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tacactttca aagaaccagc cttacaagta gatattcttt ccaaaaaata aaaccagta 300  
tccaagtcct gaaaactcac aaaactagat gaaaacatgt ggtggtgtca gctgcgggcg 360  
acgctcaagc caggctctca ccacgatgga tgactgactg actgactgac tgactgactg 420  
actggggagg tgaactcact cccagcactc cctcctgagc tggaaattgt cttattgctg 480  
agttatacac aagtcatttt ctttggaac atcactagct aacaccaagg gacaagtgt 540  
aaggtttggg ctgtcagctc tccaagcact gtggctgccc ttctgtgggt ccca 594

<210> 1192

<211> 595

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232784

<400> 1192

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tggttgtat tcttcttgc agagatgggg tgtcaaccgt tcctgggcac acacagttgc 420  
atctgatgcc ctgctggatg aagtctgcag ccacggactt ggtgaggccg atcacagctg 480  
ccttggttgc actgtacaca catctgttct ccacctttt gatgctggag gccacggaag 540  
acatgttgat aatgttgcca gatttttgag caagcatttt gggcaggaat gccct 595

<210> 1193

<211> 476

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232924

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tccaacaatc tagtttttaa aaaaaatatg gaaataccct ctaatagcat atatgtcata 180  
cataacattt cagatcaaag gaccagtaga atttaactca catttaatta aaacaaagat 240  
gccatgagta acacgagctt tggctaagca ttaaaattct cttttacact taggaggagt 300  
atacacacaa ataaatgatc tgagaaatag aaaaagaaat ctgattagaa tttggagact 360  
aatgcaagga gaagaggata ttaatacaaa cccctgctcg agtgcttgtc tggcatggac 420  
aagaccttgg gtttgttgcc caacaccaac accatcacac aaaaggaaaa agtctg 476

<210> 1194

<211> 521

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI232970

<400> 1194

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tgggaaacag ctctgaattg agtcatgcgt gggagggttc cgaccagtt gggatcgatg 180

acagggctcc cccacttcac ctttcccaat ggctctgacc ttcattgata agactgaatt 240  
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 ggccagagac accgtgtgcc agttgctgcc acacgcgaaa tggagacccc tgggtggaggg 360  
 agaaacctct cagctcccgg agactattta tagctagggc tccaggctgc tgatctgtga 420  
 cattctcctg ctgccaccaa accttggaag ggggccagta caaggcatac tcccatcccc 480  
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<210> 1195

<211> 388

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233081

<400> 1195

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 gccacagagc agaagttaga ctgtcagccc agcatggtaa gtaattttta tatctttcca 180  
 aaggcagctt atgaacaatt ccacacagct agttaccagt taatgggtgca tagaaataca 240  
 tctgtgggtg tcatggacaa ccagatctag atatatgaag gatgagagtg gcattttttt 300  
 ttccctatca aggtatttta agccttttag ggggaatttct atagtgtaga atttaacttt 360  
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<210> 1196

<211> 549

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233147

<220>

<221> misc\_feature

<222> (1)..(549)

<223> n = a or c or g or t

<400> 1196

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 aagtccctgg acaacctcat tcaggggggt ctccctgtag atttgggtcca gcaaatgagg 180  
 ccagccatgt tttagcccct tgactcactt ttggagattt ggctggggta ggaaagcctt 240  
 taggaatgag gtgattaggt tagggaaatg cattattgtt tgggggggaa ggagacagcg 300  
 ccctggggcan aaccctaccc caaagaaaag ggtgtctaaa atgttcacgg ttccttcttt 360  
 ttgcctcaaa aagtgcatt tattcaaaga gagagagaga gaaaaaaaaa acaaaacaaa 420  
 aaaacaaaaa caagatgtcc atcccttggc tcccttccct ccccccctca gctgttctct 480  
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<210> 1197

<211> 553

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233162

<400> 1197  
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 ggactgattt ttttccccct tttggaaata actgaagaga accagttggt actgctttca 180  
 gctgccacca gtctggagct gcacctggag aggtgtttta tatctacagc agtcaaagtc 240  
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 caaatcccac ctaatgtttg gcagactcgt tttagaattt actcaaactg caggcacaac 360  
 tgtaaggggt ccgggggagga cataggacac ggtggacggg gtggtactca gggcccagca 420  
 tgagaagagg cagagctgga ccccgacagc tgctgcttta ggacctgctg ctctgcacga 480  
 cggccacgat atctggcaag aggtattttc tgttctccct ggtgacactg aacacctttc 540  
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<210> 1198  
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 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI233164

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 tgtaactttc tcttcatatc ttttccttat cttagccaga ttggtggggc attttccagc 180  
 ccctaggaga ccgacccttg gagcctgggg gcagacctgg cactccctac cttcaggcgt 240  
 ctgaagagag caggcagaag tgagggcctt ctatccgtgt ctggaacatt tttttctggt 300  
 ctccagtagg attccgtctt tcatcgggtg taaagaagac ctgtaacagt tactaacaag 360  
 catatcaaat gggatggtga gaaaacaaga gaatcttgag aatagagtct accgaagagg 420  
 gcaaacagca tttagtcaca cagctaaacc aggaggcctt tcttggaaca aaaaggccat 480  
 tgtcagtgtc agctccatgg ctttgccctc caagagaacc agcctccaaa tgacactagg 540  
 ctttctagta acaactaata acaaaa 566

<210> 1199  
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 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI233172

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 gcattccagt gttccgcgcc gcacacagcg ggcacccaag aaaaagctct tctaattggc 180  
 tggctcatga cactggccg gggcaaacgg ttcggttcag ttcttttttg gcggcagcag 240  
 gccggccctc aggcacagtg tgggggccgc ctgcctctcc cgcggcccgg cgggcaggag 300  
 cagcaccagc ttctggggcc tccgggccag cggatgaacc caggccagcc cgagccgct 360  
 gccaggcaga accctccagg tgggggtgat atgcctggtc ctctggggca gcagcagcag 420  
 tagcagcgac accctcagaa ccgtgggctc cagagccggc cacagagcac ccttgggaagc 480  
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<210> 1200  
 <211> 539  
 <212> DNA  
 <213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233182

<400> 1200

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aaatgcactt cctgcttaca atgaaatcta tttcaattct gataatgaca tgacagggtcc 120
atccaagttt cttccaacag aaaagcccac agctcaaaag ttacgggggg aaacatgact 180
aagccaaagg acttcacatg tttaccacag aagtgatata cattaaaata ccacataata 240
ctttctaaga gaatcaagcc acttgtgaaa ccattagcaa gcatggagac tgaaacaact 300
gcttaggcac aggactaact caggcaccat aaaaccctct gtcttctcac ttaacaaata 360
agattcccta gagacaatta tttgggtgcc tgcttgtaaa aataagggtac ttaatgacgg 420
aacggtttct tgatcatgat catacttggg taatctcaag gaatgaagat gaggattatt 480
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<210> 1201

<211> 537

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233190

<400> 1201

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cccctacgtg ggtgcctacg ttctgatctg tgggggtggtg agctgaccag cttccgctgg 180
taacgtccct ttttgccctg gtaggggctt aacaaacatt aggtattggt ctagtcttac 240
acagccagtg ctgtcccga cgtttcctgg gaggcataga ccatgtacag gaagccgtct 300
tcactctctc cgctctcgta cacttcaaag atgggtgtgg acacacttac catgctgtgc 360
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ttgatgagtt cgctcatatt cacgtgatca ggtacaagga acttgggtctt gtccaggacg 480
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<210> 1202

<211> 596

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233262

<400> 1202

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ctttggtaag gtgaaccaga ccagggtga cgcacaatct tcggggccct ggcccagggg 180
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tagtagcagt gcggccttgg tgtctggggg gatcctgttg tctggcagga tcaggctgca 360
gatgcgcagg agctctgaag ccacacccac aacctggtca gggttgttct ggtgcaggaa 420
gctgaagagg tgacctatag tgaccattc ctccatgtct tccttcaggg gcagggcatg 480
tagcagggtg gctagcacct ggggtctgt ttttctgcc ggactggcca tcagcagacg 540
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<210> 1203

<211> 567

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233266

<400> 1203

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cctgcagcac actcctgttc tcctgggctc ttccggatcag gtaggggtatc acctcttcca 180
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cgtggtcaca catgcccaga agttgtccga agcagacagg cccatccaga ggaatgcccc 300
gtctcccatc gcgcctcggt gcctggcgaa tggattcttc attgtgggaa gccaccatga 360
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aactccgact agtggcctca tagtcaggct gggtacagtc ttccttcccg tggagctgtg 480
tcacggatct ctcttgtcc agataggcac ctctcaccaa cttcacccca aatgccaggc 540
cagcctcgtg tgccgcctta gcatccc 567
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<210> 1204

<211> 578

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233288

<220>

<221> misc\_feature

<222> (1)..(578)

<223> n = a or c or g or t

<400> 1204

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gatacacgaa acacagttct aagaggtttc ccactaagta catttttttt ttacacagca 180
tacatttgac aacgatgccc tttttaatat aaaattccgg ttacatatac caatatggct 240
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actggcagcc aaggctgagg ggcttgggta ggggggctga ccacgggtcta tggctcaggc 360
aatgaggggc ccaggcttcc tgcttccctc cctctctgct ccacagcatt gattgcattc 420
cgtttcttcc actttccttg ttctttccaa aaccacctga caggggttgt cctgacttct 480
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<210> 1205

<211> 474

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233300

<400> 1205

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cttattgggt ctgatgtcca atagccttgg gggacctgcc ttccggctct cacaaggcta 180
ttttgtttca caaagtaact cttcaactta cgctttacta taaagaaaat gtatccgatt 240
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ggccacgcag cagaacttcc tcaggcattt tcacagccat ttagaaagat gtcttcagcg 360
aactcgtcca aattagctac aaacgcttgg caggatggac acgttgtgtc tgtggggcaa 420
tattcaatcc aggtggagga atctagaggg tatatatact tgaaactgaa attg 474
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<210> 1206  
 <211> 425  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI233323

<400> 1206  
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 aatcacaaat gaaaatacac aacgtatgca aaaatgtgtg ttaaaacaca caaaaaaac 120  
 tgtgaaggat tgacttcagt tgattttgaa gctttttgtt tatttgggga ggttgtttgc 180  
 tgggtggctg gttggctatg gctgacatga tctcactatg tagctgggct gtatcctgga 240  
 actcactagc ctcagactca tggagatcca gctgcctctg cctgctgggt actagcatga 300  
 ctgaccattt tagttcattt taaagaaata tctacttgag cttttgctcc atttgttaag 360  
 acatgtcagt ctggaagaac atacatgcat ctgttactgt gtatgtgtat aaagagaaca 420  
 tgggc 425

<210> 1207  
 <211> 469  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI233361

<400> 1207  
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 tttaatcttg agttacagtg acctttttaa aacagaaagg cttttgattc acctacaata 180  
 tgagaacaag tttgtaactt aaacagccat aaaacaaatc acgcctgctc atgaaagcaa 240  
 tcgtcgttta cacttctgtt ggtgatcacc aaaaccagt gaactttaaa atagcgtaag 300  
 agctggaagt gcgtgcagag tagcagagag gaggtttgaa tgatgcagat ctaagtatat 360  
 acacgtgagt acccagttac ccaaagtga ccacactgat gctattcaca ggtccgcatg 420  
 ggggtggttc tatcatctac agatggccat tacccttgg gggccgtga 469

<210> 1208  
 <211> 124  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI233367

<400> 1208  
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 tcaa 124

<210> 1209  
 <211> 424  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI233407



<400> 1209

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tacgaaataa atacacagta actaaaagag atagttatcc atggattcat ttggcaccac 180
ctctgctcat cttctgctgc agtttccgat gccttttgta aatccttctc tttctcgctt 240
tcagatccac ttttggctct ggtttcaccc attgtacttc tattgggttc tcctctgctg 300
gtgtaacaaa cacatctgca gtgggatcgt gtggaagaat agtctttggt tctttcttcc 360
ttaatttctg aacatctttg acttgctggt tctctctgta cttggcagct gtgatggacc 420
ttac 424
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<210> 1210

<211> 551

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233457

<400> 1210

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cactgcagtc aggaggcagg gaggagacag cacagccccc accagtttct gcataggagg 180
catgctggga gaacagaact cgaatgggaa gttacagaag aataaacagg agaacaggaa 240
attgagcagg aaagagaata ggaaagagaa agaacttaac aaggtaaatt aaggtccatg 300
gttcttgagg gactgaatgc acagagccga gaacgtcccg gagatggggt accacgaagg 360
gtgtattctc atgcacaacc gcagctcgga atttcagccc acacacattc caccttgaaa 420
ctctgtgttg tcaaggcccc tgatggcctt caccgcatct tctgcccgtt ccatgtgtac 480
aaaggcataa tctttcacga tgtcacattc gatgactggg ccgtactcct caaacttggc 540
ccgaaactct t 551
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<210> 1211

<211> 475

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233468

<400> 1211

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tgagatcacc ccaattaatg gggaaaagct actgtacagc aggtctccag taccttgcaa 180
actcagaatg cacaaggcct tctcttacct ataatacatg agtgcagctt aatttctctg 240
tggcatttgc cactggaagt tgaggctaaa ggtttgatcat tagatagtga tattgattaa 300
aatctatttt agggcatttt tgtgatttta tgtttgaact gaaaaagtct aatgactgat 360
cacaaatgtg aacgtaaatc acaaatgtga acgtaaatcc agagtgttaa gagaagtaaa 420
tacctgctct gggttagaat tttcggatca ggaattctgc cccaccctt gtgcc 475
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<210> 1212

<211> 401

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233480

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<220>
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<222> (1)..(401)
<223> n = a or c or g or t

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gagacacagt ttgggaaatc caacccaacc tgtttaactg ggaatggggg aactttgctt 180
gaagtccacc agatccagga ggaaaaagct gttcctttcc tctccagtgt gaaccttggg 240
ttcatgtttg atattacgtg aagcataagc atgtatgagg tacaggtcac aaaacgctgg 300
ggacctttgg gagcaggacc ttatggggag gggaagggag agagtatcag aacagtcact 360
catacatgaa gcaaaatcca actgangggtt aatggggggag a 401

<210> 1213
<211> 411
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI233494

<400> 1213
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ccatccactt cagcctcgtc gccctagcat tcccctatgc tggggaatca agctttccca 180
ggaccaaggg cccctctccc attgatgcca gacactgccc tcctctgcag catatgcagc 240
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gggagtctgg ttggttgatg ttgttgttct tcctatgggg ttgcaaacc cttcagctcc 360
ttcagtcctt cccctaactc ctccattggg gtccccatgc tcgatccaat g 411

<210> 1214
<211> 501
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI233570

<400> 1214
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tcagggcctg tgctctcctg cgggccactg ggcagctatg ctgaaaacc agagcagtga 180
caactgggag gaaacactca cccagaaggc ccataggccc ccaaactccc aaattcttat 240
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ccagcccgtg ctaagactgc tggaccagcc atgcccacca ccttggccga ggctcagaca 360
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<210> 1215
<211> 345
<212> DNA
<213> Rattus norvegicus

<220>
<223> Genbank Accession No. AI233583

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<400> 1215  
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 gactttcaac aactctcatg tacgaatcgc cggcggcgtg gggcgtggga tgaggggggt 180  
 ggggtgcatt acaccagcta cggctgtaca caggagcatc cgtcacatgt tcaccttcag 240  
 cactttccca gtctgccgat ctttctccac acagtatcag ctgtcataga actctgtgaa 300  
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<210> 1216

<211> 442

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233639

<400> 1216  
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 gcattccaca aacatggcca catagtagta catgaacata gtcttgattt agacaggtaa 180  
 gaaggatcag attaagtgcc acaaataagt aactaaattc caaggaaata ttgcttttgt 240  
 aatgtgaaca atttgattgt atcataatac atattatttt aaaaaacaaa ataaaatttc 300  
 tcaatcacgt ttcttcttgt ttctgggcaa ccaacatcct acagagcaac aagaaacggg 360  
 gggaggaggg agaccaaaat gtaagctcgg acgttaaattg taaggctact ctgaccttag 420  
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<210> 1217

<211> 603

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233714

<400> 1217  
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 aatttacatc agtaccaaaa tgggcaagaa aatgaaggca cagggtcact ctgtatcaat 180  
 aaaggaagtc aaacacagtt gtgaggcact aatgacataa gcatagaagg tcaatcaaaa 240  
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 aaggtcaagt tacctgtaat tagtcttttag aaataaaaga gatgaaactg aaacacagac 420  
 ttctacagtc ttagattacc cttcctttgt aaggatcttg tgtgtctgtg tagaaatgcc 480  
 agctataact gaagatctaa gatatttgct gacatgggcc ctcagtcctt ctaaaagatt 540  
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<210> 1218

<211> 556

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI233717

<400> 1218

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tggagtttgg tttctgacac ccaaatacagg tggccgacaa cctcttgtaa ctctagctcc 180
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cacaaatacc taagtaaaac taaaatttaa aaagattatt tctctgtggg tgcattgtgca 300
tttgacacac tgcacatgca aatatgtgtg gctgccaggg gaaaccagaa gttcacaagt 360
gctctcaact gctaaacat ctctctgtcc ccacttagga gactttacac gtctggtatt 420
tctgggatag tttcagaact aaaacattct cttcagattt taagcacagg gttgggagtg 480
tggaccagca gttgaatatt cagtttgtat gaagtctgga tttgatttcc aggaccacaa 540
aacagaccct cgtgcc                                     556

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<210> 1219

<211> 687

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233729

<400> 1219

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tacccaagat tttgaggcaa aatcagataa ggaaaaagaa aatatggta agagaatcca 180
gaatcatttt ggcttcattt tagtttttaa caaggtaag agtgtacca tggaaacttt 240
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tcgagtgtc ttaggtctct gctgctttcg ctatgttcca agcaccaggc ccacacagca 360
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ggaaggcaga cgtcctgcgg agtggagcat ggatggaatc atgtacctg agaaattctg 480
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tagtatggcc cttcacttag gtacgttctg agcctcaaata aatttgagtt cccaaagatc 600
tctgcaactg tcttggaatt ggcgagcgct tttaccagtt cgtatttcgc atcctttgaa 660
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<210> 1220

<211> 609

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233731

<400> 1220

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tcagctaaat gttcaaactt aaggctgtca tggacacagc aattccatag tcttctttta 180
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ggaatgctta acaggggtgg tgatcagga cacgtttcct tgggtccgct ttgatgatgt 300
tgtccactcg tagaatcacc tctgtgtctt ccgccgact caaaagaacc tgccgcttca 360
cttgaaagct ctcggttata cccagtactg ccatatcacc aatgctgcct tccttcatat 420
ccagtccagc agttatacgg ctttactgt gagcagctcg gagctgtgcc accagatctg 480
cactgtcata gcctgcattg tcagctatga tcgttggaac cattctcagg gccttagcaa 540
atgactccat tgctacggct tcttttctct ggggttctact ggcaagcatt gtcacagcat 600
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<210> 1221

<211> 587

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233766

<400> 1221

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cagaactaga tgagagtttc attagactct aactaaaaac agagaggtgt gattactatt 60
tccagccagt ttcccatca cgatagtcac ataacaaacc aaggcaatgt cggctcttgag 120
ccagactcac aaagtcccc ggccctggcc ctggcctcag tacagtgtct ctgcattgct 180
gcttcggggc cgtttgatct tctcaatgtt tttcaggatc atgtcatgga gcgtgacata 240
ctgattcttc agctctgaga tgatgaggcg gaggtgatg tactctttct catcgatctc 300
tgtgacagtg cggcgatagt cctccacatg ggggtattta gctattttag aaaccaattt 360
ggctcttgta atataatctc tagaaatctg gtccagataa gacgcagctt cactctcgac 420
agttcttagc tctgcaactg tttctcctg aatcgacacc ccgaagtgtt tcccatcttc 480
tatcctggga atcaagagct gaaccacat tttgaccgtg ttacatttct cgatcagcag 540
ccgaatctca ggttttactt tctcaataat gtccacaagc tgggtggt 587
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<210> 1222

<211> 389

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233806

<400> 1222

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acagtgtaac catctaaaaa taagacatcc cggaaacaca ccaactgagg agaaatttaa 120
aaaaagaatt taaatagaga ctttttaaaa tttctctcat tgcaatataa tgttagtgat 180
tttaaaaaaa tagaaggaga tttagcagct ttctgctggt tggcagggtg gttctcttca 240
ctgccacagg ctgagaatgc tgaacaggaa aggcaccaa gaaagacact ggcgatgggt 300
gtggactggg agaatactgt gttcaagcag agaatagggc tatttacatc caccaactaa 360
aacgtctcca aatgtgaatg agctaaact 389
```

<210> 1223

<211> 563

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233818

<400> 1223

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taatgcaaca ttgttcttaa agaaggggca cagatataac acagacaaac tccagtatct 120
atcaaaatac catctgtaaa gaacaggact cacttcgac tgcatatgaa ttcgggtccag 180
catagaagag tacaatcaaa aaaacgtaca acagattcct tctgcattag gaaacatctc 240
atggccttag gcacactcat ttgtccatat cattaaagaga cagggtttaa tctgacacag 300
agggacttcc tttccaacct ggactggatt agcaaaaagg ggggaaaaaa tcatggtaat 360
attgggacat cctggatgtt tcaaaatggg gtttttattt ctgagctcgc tgtgcatagg 420
aaaacaacca ctttcagagg actagaagcc cacagatcta agcatcagta aactttaaaa 480
aagacttgct ttttcttgcc aggaatgtta tttgtttgct gcaggttaca gttgaagctt 540
ggagcttttc aaagcgtcgc ttt 563
```

<210> 1224

<211> 516

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233828

<400> 1224

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tctgccattg aaccgaggcc aggaaggtac ggatttgcat aggctgcagt gtgattgagg 120
taggggccaa ccgggaagga gcagggtagg agatgggacc agtatctgtc atccacttga 180
gcctggaaac cctggatagg ggctgggttg ctgccagtgt ggtctcctgc aggtagttga 240
tagtgaaggt cttgaacagg ttctgcaagt tcaaggtcac cggagagctc aggttgcgat 300
ttgaatcttc cttcacagcg aactgggtgct ccaagcgag cagcagcatc ttgggacccc 360
agcgagccag ggtgagcaga tgcacctgcg gaggtagctc ccggcgaagt gcggagaact 420
gcatttttgg tgcctgcgag tgataggggac tgctaccccc gtgggcccagc accacctgag 480
gggccaggac ttctgtctcc gccagcagtc ggtgtc 516
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<210> 1225

<211> 561

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233835

<400> 1225

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gagcacctac ttggtgtcag gcactttcca tatgtctgtg cttattatta aagtgcacct 60
agaggtaggc attacatcac cttacacag aaaacactga ggctcaatgg ggtaggcagc 120
agcttattca aggtcaccg gctggctgaa gaccgaggat agagctgagg aagaatgctt 180
acttagtatg cttggggccc tgggttctag cttcagcatt gccaaggaaa agaaacaaaa 240
gaattggcat ggagatgggc gtctggggag ccctgaagct ctcaccagga cctttcacc 300
agagaaaacg aatgattcgg gcacaggctc tgagagggaa gctgagcccc acttcattcc 360
ccaccttctc tggcaaatca ggaaaaactc acctcacggt agctggagtt gatcttctta 420
gaacaagaga attactgaga tgaaagccct tccccgtacg tgtgctggca gggtatcagc 480
gtgtaatgtc attcgtgtgc caagcacatc tttgccagca tagaacatgg ttttcccggt 540
cgggctacac tcatagcgtg t 561
```

<210> 1226

<211> 553

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI233836

<400> 1226

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agagcatatg cggaggtcag gacacaattt gggggatctg gttctcttcc tatctcgttg 120
gggcgggtct ctcttatatc tactgtgctg tatatgctag ggtagccggt ctgcaagatt 180
ctggacaatt ctctgcctg gtttcctgtc tcccccgaga atgctggggt tagagatgtg 240
gctttttcat atgcgttct ggggattgga ctcaagttgc caggtttgca cggtaagcac 300
tttccccag agtcattctt ctggctcctg ataggtgttt taaaagatt actttgtaga 360
caatgttttt tcttttttgg tagagggtta gataggactg ggggagctga aggacgcaca 420
aaagagaaat gcggaatttg ggagaaagga aaaccccggt aggcggtctc aggagctgct 480
aatggctcct cctggaatct cacagggtcc tcaattcctt aactctacct ggaatcatca 540
gtttattacc taa 553
```

<210> 1227

<211> 376  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI233902

<400> 1227  
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agatctgcct cccaaatgct ggggttaaag gagtgtgcta gtaccacctg gatgcactca 120  
gcttttctgt ggggttctggg gatctgaatt caggggtgtga agcctatttg gctagtctct 180  
ttcttcatta aaatggatc tgtcacatat ttctccacc attttcctgt ttcattagta 240  
gcaattatag tctacttcat ttctcctttt cttttattca gtatctaggt actcagaagt 300  
acaataagat gtaggtctaa tgggaacaat gcatgcagct catgttggag tggcagtttc 360  
cattcagaga gctcaa 376

<210> 1228  
<211> 434  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI233925

<400> 1228  
agaggagtgg aaagaaggca aaactaacca aagggttaccg ttgaccccag gcatcgctg 60  
tgtgaacagt caggactaac acggggacac agattcagtc ctgtcacctc ccccgcccc 120  
aacacacagt ccaagtctgc tcatatggg tgaagagtc tatgggtcag tttgtaggtt 180  
tgtaccaaac aggtcactaa ggagctcacg gtttttaagc agttctggag aaaggaagag 240  
cagtatcacc attatctaga tcttgctaag gatccagttc tgagaggcac agagaaagga 300  
gccctgggga gagcagtcct cagtgggatg tcatcataag gcagcttggc ttctccttg 360  
ttacctgcac ttaggtgtct tgcagggact ttttgtgaaa gctgggtcca atggggaggg 420  
atcctcctgg tgcc 434

<210> 1229  
<211> 516  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI234038

<400> 1229  
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acttgagatc ttagatttaa cttgtcttgt aaaaagattg aacttcaagt agcacaattt 120  
tgtgtctgtt tttaatctgg aacattctct atgaaacagc caattgttta cagcacacac 180  
ttgacatttg actccagcac cagtggaccc gaagctgtca gctctggggc tataggctcg 240  
acacaggaga acgctcttca ggccactgag gcttctagct caggctctag catcctagcc 300  
tttcccttcc ctggcacact ccaaaacat aagatcacia accaagactg acccttagcc 360  
aagcatggga cagaacttat gcatgatggg gcacagggca gacctttcct gacgtccacc 420  
tggcaggcct ggctaaccag gaggcccag cctcaacctt tccagggcc tacctagctg 480  
ccaagcagct gggaagagga aggaaggaga aaggag 516

<210> 1230  
<211> 319  
<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI234079

<400> 1230

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gaggccaacg aatatttgat ttatgagctc accagtcatt acacaatgta cagacatgat 60
ccactgaata gtttatgctc cacacaaatg gttaaacaat gatttatgaa atactaaaca 120
aaaagcttct ataagcagag tatcgtttcc tgccccctcc ccaaaaaaaaa tcagcttcag 180
gcatacattt gtgtttatgt ctattccttg agaatgttac gttagcagtg cataaagttt 240
attccataaa aagagctaca agagaattcg attttcaaga gactcgatgc attgtgcttt 300
cagataaaaa tccaagag                                     319
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<210> 1231

<211> 530

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI234090

<400> 1231

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gccgagttag ggctgtgccc acaaaaacgt ttattactca ctacgacagt aagcacaatg 60
catatgactg ggaagagtcc caccagagg aacaaagggt aggcagacag tgatactcac 120
tgcagagaac taaagaaaac gctcacttgt agcttacaca cattaattct aaagaactga 180
cgggaggccc cgcacggcg cctacacttc cgatacttct gagttcatac accgcagaga 240
cgaaagggtc gtgagatgga atctgagtgt gttcaaacga agagggcatt caaggtgggg 300
ggatgtcatt attggacttc agaatcagtt tgtccccact cttttcaacc tcaaagccca 360
tcttcttcag tagggacgca tttgccaacc cctgtctctc catcttgga atgaaatctt 420
ggttttggct gttgtcttca gtgagatttc gcacggcata caccaccac tgcatcataa 480
aggggttggt gtcacccatg ttgctgctgt ccaagatcag aggaatgcc 530
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<210> 1232

<211> 564

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI234105

<220>

<221> misc\_feature

<222> (1) .. (564)

<223> n = a or c or g or t

<400> 1232

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atccccctgt ccaacaaaac ccagccaagc cagcaggaca ggttacatta atacagggag 120
atgaagtga tggcgaagga cgagttagat aaagggtgtg tagagatcac agagccaggg 180
gcatcactga ctggcagttc cctccagagc ccttgaggag tagccaatct cagcagcatt 240
catctggctt catagagaga agcagggagg aagtgaagcc tcctcaaccc ccaccccaaa 300
cctcagttcc gtttcctcct tgtgtccttt gaccagatt ttggtcttac tgaggcccag 360
tgttccaaca atagaaggag gtaggggcaa aggactggag gtctagagcg tgggtatctt 420
cccaagattc agtcctctgt gccacgggag acctttccag agaggtgaga taccagatgt 480
agctaattag tgcttgggct atcacacgag agaccgggcc tgactctgtg caggtaccat 540
tacgggcacg gnacccatgc gggt                                     564
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<210> 1233



<211> 610  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI234107

<400> 1233  
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 aaaattttaag ttttaaataca tgttccataa aaattctaata agtggtataa aaatattaat 180  
 ttataactaac ttacctagaa aagtgttaga aaaagaatct catattcaaa ccaatcatct 240  
 aagaagtaat acaatacaat tatgcattct taaaaaggta ctaatttgaa tacaatgtag 300  
 aagggagaaa agtggacaaa agctactgaa tttacactca ctgtcctatg gggaagttgc 360  
 agacaaacca gatgtacact aggcattttt taatgtatat tttaaaggaa taggaaagct 420  
 gtttatagta tttttactgt ctagtcaaac ctactatgtg gtgaactgat cattcactac 480  
 aaccttgagt tgatccaacc tacctttctc atttatagaa aactacaaaa gcttctttaa 540  
 ctagtgtact cttcccatca ggagtacacc tgccatctct gaaggggtcac tgacaggaat 600  
 caaaggaggt 610

<210> 1234  
 <211> 517  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI234133

<400> 1234  
 gggtagcttg gggtagcaaa tgggcacat gatcatgacc catgatccat gacccatgac 60  
 ccatgaccca cgacccatga cagctgagta tggactgaca ccaggaattg ttgcttggcc 120  
 agattctctt cctgctgccc ctgctggtgt tggctatcta gctaaacaga tcaagccagt 180  
 agttgttaac caaactcccc ctaatttgcc acgactgttc tctgaacaag tatcattgct 240  
 gatgaagact agatgagatg ctaggctgag tactctgagc ttcaaagggt catttagccc 300  
 aggggtgactc tgttgtgagt aagaggtccc caagcagaga ggacagtgag ggggggtgca 360  
 caagcagact gtcctgtagt aggccatggc agccatcaaa gtgaagaagc aggagggcggg 420  
 gagttccgcc tctcccagcc caagggctga aagcctggtg ggaatcacac ttccgagtat 480  
 ggggggtggtg caaggtcccc ctctggagtc ttagtggt 517

<210> 1235  
 <211> 507  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI234152

<400> 1235  
 tgaagacttc tgcattggtac acttggcctt acaaagtta atggctagtt aatgtttgtg 60  
 ccacacctag cgcattcatag attctgctga ccagtaacag cttctctgac atgggttaaca 120  
 cccaaattgt gaattcatgga acttttactt agtgcacaca caatctactg caaactgaaa 180  
 tactaatcta taacatctag ctgaattatt ggatccattt caggattgtg cttattatct 240  
 cagaagatag gaactagcaa aaatacacat tccttttgca tattcccacc cctgtattac 300  
 gctgtaaaag aaatattgtt cagtgcaccc cctaagaaat aaacttcctt ataggatttc 360  
 tctctttctc tctctatata tatctatctc caaacagagg aagagcacia tgcaactttt 420  
 aagattacca cttaaagcaa gagaggtaag aacactcagg tactgcagtc gtcctgact 480  
 ggaagggttcg gtttttgatc atcactg 507

<210> 1236  
<211> 357  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI234223

<400> 1236  
gggcttgagg ttaaattgatt taaaaattag gattttttatg gagtccagggt ggggaaagta 60  
gatttaaaga aattcttcat tttatcaaag ttttagaaag caccaaaatc ctgtccttga 120  
cactttttaga tacacattttt gggttttttat tgctgattac agactatgaa atgtgcattg 180  
caagtcaaca agagattctt ttcataatttc caataaaagc ttgaagaaac agacaacaaa 240  
cacaatgaca agagaaattc ctgcttcaaa acaaaacatc agaaataagt ctccacagtc 300  
acgggtctgac aaaaatttga aataacccaa accgtgcaaa agctccacag agaccat 357

<210> 1237  
<211> 448  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI234361

<400> 1237  
aaaatcattt aatatgcaaa gggaaaaact agaataataaa agcattttcac atttttttaa 60  
aacaaaataa caccttttaa attattttaac ataaggcaga gatccacaat cttttatctg 120  
aaaccctaag tctagatggt tcagaatgag aaattttcag attttagaaa ggtaattcag 180  
tgcatacacc atactatatt aaccctcaaa agagttttgtg gcagcacacc ccaataatca 240  
tacacattaa tattttatgca acaaaataaa tgaatattca cactaatggg ataagcagat 300  
tcagtgtcag attagaatac atccagaggc aaatgacttt tgttatcaag cttatgaaaa 360  
ccttggtatc agaacttctt ggatttttgag actataatta cagataaagg aatgcagacc 420  
tttgaaactt gtttgataag acataaaa 448

<210> 1238  
<211> 501  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI234496

<400> 1238  
gaaggaagtg atcagacttt ggtttattgt aaaacttagc aaagtgtttc atataatccc 60  
tgaccctca ctctgaaaac aaaagcagaa acaattattg cttattttcc ccctctactt 120  
tgtctgtgct actgtaagag aaggagagaa gattattaca ataaataaaa atagagatgt 180  
aacagagaaa aataaatcag tctagatgag aagtattagg agcaacagaa atttcattaa 240  
gcagtttaaa aataagcttc tttaaaaagg ttgccttatt aaaataaatc acacaaaaaa 300  
tatagcagca gagaagaagg atacatacaa gttaattgca catcagtccc atgcaaaaaa 360  
gtggatcatt agccaaagca gtagtactca gaatccagct tgggatgctt gtgcagagct 420  
tgagagtcct ctatgataga gctgtcactg aactgatcca agtctgaagg ggtctgatgg 480  
cctggtacat catctgcaa a 501

<210> 1239  
<211> 499  
<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI234810

<400> 1239

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gaaggcttca tgaataatth attccatttg aagttttggt ttttgttttt ttttttttaa 60
aagtataaac ttttttcattt cctcaatcac aatttggtaca actcagtgtt atggcattcg 120
gcagcaatag tgtttggtcc ttattctttt tttaaaattt gtcataattaa aaagaaaagc 180
aattggacca tgttaaatgt cactgctaaa caacaactta aaaacgcccc ttcataaagt 240
gaccaagcta ttctgagagg gttgatgctg acatgtccag taatgatgtt acaatttgta 300
gttttaaat cagtaacttt aaggtccaca aatccagttt actttaaaaa cttaaagctat 360
tttaaaactt aaaagaatat ctcaacctga ggagtatttt aggtcccaaa tccagttttt 420
taattttatac tccacaaaag agagagagag agagagagag agagatgggt tgcaaccctt 480
ggcctatggg ttcccaggc 499
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<210> 1240

<211> 681

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI234830

<400> 1240

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aaagttttac gtaataaata atgttataga aatatacagt gtgctggctc tgatgggtata 120
tcacagcact tgggaggctg gggccagcct gggctacagt gtgaaatttt gtcacaccct 180
caccctacc -aaataagcca caaagtctta tcagaaaacc aaacagcctc aagcagaaaa 240
attctcttta gtaaacgaca caagaagggtg atgctgtctg tcagtcaggt tcaactactt 300
ttcttaattc tctttgattt cttccctggg tcttctactc cattctctgc aggccgcttc 360
ttcaaccctt tcaacttctt cgtctgtagt ttgcttaggt cttgcttctg catatgaatc 420
cttccaaacg ttgtaccaa agtatcctga gagatattct tctcttctt cggcttgaga 480
gctttgggca ctttcatgga cagtttataa aggtcgtctg atgctaagtg tgcctctctc 540
acaaccagat ccaacgacgg ccccatctct tctagctcga ttctcggtgt tctgcacca 600
gatttcttca gcagcagctt atagcttcca aagtaaacct tcccattcag tgccgtgaag 660
tgcagaacat actctaattc a 681
```

<210> 1241

<211> 575

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI234843

<400> 1241

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cagacctttt agagaacagc tttcactaaa cactgctgga aatgacagat gccagggcga 60
ggcaggctgt ctcagagcct ggtctcctca gtggacaagc tggatggtga agaagcctct 120
gaaaagccca ctgtccctcc atgctcagac agggccactt tcacacacta gcctaactcc 180
taccttcttc atgcagcacc atcaccacta ccaacctcac agaattaaca tgcagagacg 240
tgtctgagga tggactagtc ctgaccaggg ccatgaggct ctagccatgc accctggacc 300
gtgatgcgca ggacagatga actggctggc acaagctagc ccagaatctt tggccagggtg 360
gaatgattca catactgcct tcacgggtgtg gccctgttg gtatctcttg ccacatcttc 420
atagacactc tgcactcaa tctccagcct tgtgcagccg taagtcaaca tgtcacttag 480
gtgccgcttc atgcagtaat caggtctggg ctcaatggta atccctatgc actttgtgag 540
gcttctctcg gaataactga ttgcctcctc gtgcc 575
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<210> 1242  
 <211> 477  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI234927

<400> 1242  
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 ctgcactcag ttttgaactt tcggcagttt cccatagcct cctccattca ttaatttaga 180  
 taactttaat aaaatatcaa tttggagata attttaagga cataatgaaa gccgaatttc 240  
 taatacagtt cttacctaatt ttcctatgcc ctttatgccc ctttgccctt aggagagctg 300  
 accccagacc tgtgagaatg ggggagctgg ccctgcacct cacctgagta gcacagtaga 360  
 gctgacattg gctgcagggg cagagtaagc caggcctgag tttgtgagca tgggagagct 420  
 ggccccaaac ttgtcttctt gctctgtggt ggtgtgggtg agatcccctc cccaccc 477

<210> 1243  
 <211> 484  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI235046

<220>  
 <221> misc\_feature  
 <222> (1)..(484)  
 <223> n = a or c or g or t

<400> 1243  
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 cagcaggtct tgggtgggtc cacaggggac agcagggcct tggagccaat gtgtggngnn 180  
 gngngnagaa gtggggngnn nggttccttc ccggaagtct ctttccttgg cagtctgact 240  
 ccggggggcc aagtcaagtg gcgctgtagc agacaggcca aggaaaggga aaattggctt 300  
 tctgtttaat tggcaaagt tccagtggga gggctctgtt ttgttgggat gtgttacagt 360  
 atatgtacat gtctatggac ctgagtcctt aaggaattta tacatgggtc agaaaagatg 420  
 gttggtaaaa tcttgattat ttctttttgt taatttatct caataaaagc ccactggaac 480  
 tcca 484

<210> 1244  
 <211> 486  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI235224

<400> 1244  
 caccatttaa gagaaagaaa gatggaggaa aggtaaacag tggttcaggct tcagcttttg 60  
 ccaggggaag gcttcgggtc atcgagaccc caaggtattg ccaggtgcac aaatctggat 120  
 tccgtggcag gcaggcaaag tgatcgctct ggtagccctt ctgagagccc atgaggatct 180  
 gatctgtcca cagaggctct ccatggctgg ggtgtaggcg aaccggaaac ctgtggcatt 240  
 tcccacagcg tcgaatcctt tgagcatctt agtcatcttg atctcataac gctggtataa 300

ggtggtctcg atgatttctg gggaacccat gaatttagcc cttataacca ggtccgagtt 360  
 gcagaaagct gtctgtgggt ggggtggggc acagctacag gctttactgg aagctatcaa 420  
 tgatagcaac aagaggatgc cagaggccag agatgcaaag ggcgccatcg tggatatctct 480  
 agcgtg 486

<210> 1245  
 <211> 623  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI235234

<400> 1245  
 aaggggaaat catccattta ttgttttaaag atcgcaagac aacatctgaa tttctgaagc 60  
 acaattttta atgctttact ttttcaataa agcagagtat aatagaaaag aaaaacaaat 120  
 cagtttccag taatatctat tactctattc agaattaagt cttccacaga caggttacct 180  
 ggaaataaaa gcctgttaca ataagcaaag ctttaaccag aatggctact tgtcgtgcc 240  
 gaaaaaagct cattcctata ggaggaatga tgtgctgtgt aaatggccac agatctcagc 300  
 cttagcggca ctggaagtct attatccaat cccgcattga gtagttcagt gaattttgaa 360  
 aatcagttta cctgtaacca tgctggcaat ctttaactga tatttattca gttaaaaaat 420  
 aaattaagaa atctcttaac tgatgttcct tgattttacat tactaaagggt acacagttca 480  
 tcacaatgca attctgctat cagaattaca tgagactctt tgcttagggt ttaattagca 540  
 gtaaggatca caaattcaag ttcttaatta tcaataattt gtcagctaag gtacattcag 600  
 gcaagagctg caactacaga ata 623

<210> 1246  
 <211> 442  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI235277

<400> 1246  
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 gcaccacact gtgtcagtcg gttccacac tgctgctaac acagctgggt tgcttaggga 120  
 gtgccaact tagccagatc aagggaaacc caagagagca ggggcaaact ctgcctctgg 180  
 tgccaagcct cagggcaggc aatcctggag aacactgcc gccttgggaa gcttgggaga 240  
 cctctagggt gttttccctt cttttcaaat cccacaattt cctgacgggg agaagctgta 300  
 attagccag accaggcaac agatctcagc tagaggtaca gctgcaggga aaaccccatg 360  
 gaatcttggg aaccagtgtt tttccaatta caaggaccga ggaataaaact ttttctgtgg 420  
 gttctattga aaccctcgtg cc 442

<210> 1247  
 <211> 619  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI235282

<400> 1247  
 cttgcgggcg ctcactttat ttttattttt tttttttttt tttttttttt ttttcctttt 60  
 cttttttttt ctttttttac aatttttatt ataacaatat ctgtgttatt tagttgtaaa 120  
 ggaattcagc aaaaattatt aaaacgttca cgtcccaaaa atggggctgc ccacttgccc 180  
 ttccttggtg tgcccaatt cttcctggcc ctcaggggag gggagactgg gggacagtta 240

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ccaaagaatg tgttcagccc taggagccac agaggggggca ctggagagggc aaagacctgt 300
ctggaagggg tactgagcat ggccatccca gacgtgcccc taaaagtggg agctgggggt 360
tggggtgact tccctcaact aaaaaatact cctacctcag ctgagagccag atattccaga 420
caggttcaga gagaactcca cctccccaga actaacccca ggaaaggaaa gctggggacac 480
tgagagccctg ttgagtgtct tgtacaggt agaggtgtg ccgccagatt cccggggtaa 540
gggaacgtat gtggactcct tcataccttt gagccacaga gccctccctg cccctcaag 600
gcagcatggg gggagggga
619

```

<210> 1248

<211> 479

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235348

<400> 1248

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gacaattttc atcctttttac tgaggaaaaa tacttaatat ttgtatgagg aacagtgcct 60
aaggcaggtg cttacagtcc tggcctcagc cccacacact cctgttttgt aaagctatag 120
ggcagagcag agttggaatg gaaaagacag ggctggagat gagaacagtg gggagcgggg 180
atgcagaatg acaacagcca cacacgtgcc agtcaaacac tatgtccctg cagcaaatca 240
gataccaaca agtgtctgca gtggctgggtg accctgccgt ggatgcagag gaaataactca 300
gtattaacag aaaactgagc tgcagccact atgagactcc aggagagcac caggtttgct 360
gttccttgta agccaggaaa gctggcctct cccaggggga agcagactga cactcaccca 420
tttccttgcc ttcccatata agacgttctt ctttggagaa atgagaccct ggctagtca 479

```

<210> 1249

<211> 571

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235349

<400> 1249

```

acaaagtcaa tagcttttat taacatgata taaaaaatta gtgtgatcta cagaattccc 60
agagagtaat cttaaaacat tttaatatga ttcttaaaat cttaacagat atgttctcac 120
cgccactgaa ttttcaatac aaaaagttaa caggcgccgt ctgctataaa actacagcgt 180
tgagatgggtg gctaggtagt tcggggccct tctcgccgt ccaccgcga ccctgtgggtg 240
ggctctgctgc tagactcatg tggattctgt acatggttat aacaggatta ttacagctcc 300
agcatgtttt aacatactac accacagttc gataccatga gcaacagggc tacaccacgt 360
agtgttccc gatgtgagat aggagggtag aaccagttag ctggactcac cgaagcacia 420
gtccaggaca actctagaaa gatctagctg tctctatacg attcttaaac atctccatcc 480
ttccaaaccc ctaaaccca acaaccgat aacattaatc tttcattagt tatataaaaa 540
taatcttaga ttcattgttg acatcaaact c
571

```

<210> 1250

<211> 430

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235360

<400> 1250

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aagggtaaaa taaaagcatg ctattcaatc gatgaaggaa aacatcatte gctgaggggt 60
cttgcccctc agagcccata atcacaggcc tcggggctgt cctgtaggta gagacttaag 120

```

```

taatcacggt aggtcttggc atcaatgaag tgggatgatg ccacaggggc ttccctgcatg 180
gttgccatcc agagcttgag ttttgggggtg tgggtctatac actcattgag ctccagtgc 240
tccagtgcgt gaaaccacgg ccaaataaga taatcgatca ttgagagcga attcccaccg 300
aagaaggctg tcctcttatt agccatagcc tcttctagct tgctgaactc tttcttcagt 360
tcttccttta tgcccggatg gtcttccttt ctcttcgccc taataaaaact cgtaaccaga 420
gcctcgtgcc                                     430

```

<210> 1251

<211> 362

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235460

<400> 1251

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atagtaaaag taaaatttgg aataatgaaa aggctgacac agtagcacia catgggtttg 60
gtttaacagc agcttaaaaa tgaacaaaaa ggaaacctct catgcagaca cgtcaggcgg 120
catagaacaa taggcaattt catccggagc gtcattagcc attcattctc tctttctgca 180
caggaatggc tgccctgcag gggcagcaac tgctttcagt caagtctcca agctcaagct 240
cccagccaaa gccccttctc ttgcgctgta ggttggcccc acctggagca aaccttagct 300
ctgaagagaa tgagctatca atctgtcaat cctgtccgtg tccgggccgg gtgcctcgtg 360
cc                                     362

```

<210> 1252

<211> 499

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235584

<400> 1252

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caaacacaag gcctttattc acattgctca cacattccca cagtagccgg agtctctgga 60
caaggggaag tttgcaactg ggtttgctgt gctagtccat atgtccaggt tcatgtaggc 120
acggaacggg ttaaacccca ggtagtactc cttgcacatg acctggtttt ccatgtgggt 180
cgaatgctct gtggcaggac tgacggggca gcagttttca tacgcgtcac tctgtggggc 240
ccagatggaa ccaaacagtc cagacatggg agacagactt cgggtgcttg tgaggttagga 300
tgagagagtg acgagactgg cgtgccccca ggcagcaggc atgctggctg gagtgttcca 360
ggtagaggag gtgccgtggc caatgaagtc ggtctgaact ttcgaggagc aggggaagcc 420
attggtgtaa ttcattgttt cttctggaaa ggcattgtaa ccgttcagtt tcagagggca 480
gtacacgctg gaaaactgg                                     499

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<210> 1253

<211> 494

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235675

<400> 1253

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cagaactgaa tttgttattc atacatttgc aatgatttaa atacaatata tacaatttct 60
acagtgcatt agaagaacag ggcagcagcg ctaccaacc agcttctgtt cctagacata 120
ggggacaggc cttaggctgg cagagggacg gctgttctga agtacctggc actctgggct 180
cctggcactc ccaagtccac attcaaggca acttgagtac aggcttcaag ggaggggaagc 240
aggggaaggc gcctgtaccc ttgccaccg ggcctggcac tggctccctc ttccattgga 300

```

```

cccaatttcc tcctgatggc agacctgac tggagcagga caggacacaa gagtctcgtg 360
cagcactaag ttctctccag cactccagcc aacaggctga tgtgaagata actgtgagga 420
ccctggaccc ctggaccct gctggctcct gtgaggagga ggcagggatt ctctcaaacg 480
tgggtctgag gccca                                     494

```

<210> 1254  
 <211> 571  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI235689

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<400> 1254
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cctgagcaca ggaagggcac agctatgtag gaggctgtag aaagctaagg aaaatgagga 120
tgtcagatgg attcctgggt taagactggg tcgggcacag tcccccttgg ccagacaatg 180
gcatgaacca cacaggagct tctgccaagt ccaaatttca gtgagggacg actagagctc 240
acacaggtct tgtcctcttg gcctttttct cagacctcac agcgtcgtca tgggctttcc 300
tcttctctgc aagcttggtg gcctctcgga ttttgccgag cttgccaaac atgatctttt 360
gataaaggta cttctctcgc ttcttcatca tcatgatggc caggcgcttg gcctcacttt 420
cttctctctg ggccaaccgc tgctgtctt ccagcttcac agtgccggcc ataacctggg 480
gcttcttccc tcccataggc tttgcccagc ttccggacaa acaccttgta ctctcggaac 540
ttgttgacga tgggttcatg gaggaggaat t                                     571

```

<210> 1255  
 <211> 471  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI235842

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<400> 1255
tgtgcatgcc tgggggttgct gaccacagcc tttttggtaa taaaaggcaa ttaaacacaa 60
acaaactatt cagtaatatc caactgataa aacattacat agtcagtaaa gaaaacaagg 120
aagatggtga gacgaaatgt gaaaaggcaa attcacaagg gcatttcaac agtgcacagc 180
tctacaccca aatgctgcac aggaatacaa tcaaaaacac tgtgtgccct ctcaaggaaa 240
gggggtgtcct tctattgatt aacaatacaa aggcctctt gtgagtataa gttcttgaga 300
ctgcagaaaa aatgaaaata catgtctctg aaaactgatg ttctcaagac accctactga 360
cctcactcag aaacccggtt gcctctactg aaaaagggtg cacctcacc agggtccagt 420
tctcctgaga tacacaatta atggtgctga atggcttccc tgaatgcct g                                     471

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<210> 1256  
 <211> 516  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. AI235895

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<400> 1256
acacaaacac tcttaaggct gtagtttatt gacatgaata aaacgaagta tccagagatc 60
attatacgct aacattagag taagcactgt cttcagagaa catgatttgt ctcatgggtg 120
agtggtctga gaaggcaagg ctagaccttc aaatcaaagt agaatacatg atctttacat 180
taaggagaaa gcattataaa agtacaatct gttaaagtct agaagacgta ttgaatttgc 240
tgaagaataa gctctttatt tacctcttca aagaaccaat tattttcttc acttccttgc 300

```



```

gtgcatcctt gtcctctttg gtgacgatag gcaataacaa tgccaagtta cagaatttcc 360
aagcctcccc agattcccca agatcaacat aacacttggc cacatacata tagttggaca 420
cagaataccc aggttgcaat tcttcagtct taaggaagtt atgcaaagct tcatgaactg 480
ttgaagatgg tatttcccca aatagagtag cagcca 516

```

<210> 1257

<211> 670

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235948

<400> 1257

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aacagttttt ttattatttt ctgcacattt gtacagctgt aaactcaagg aatcatccaa 60
tagttgtata catctggaga accattaata agcaccttca gtggtttcca cagcttaaga 120
tttaccatgt aaaacatttt agaagggatc tagtaaaatg aataaaagtt ataaaagttg 180
tatatcatga ggaacgtgac aaaaaaagca aaaaaaaaaa acccaaaaaa caaaaattcg 240
aggctacttt atgagggtgc atgaaagagt cacatgttcc ctaaatcttg tgatttaaatt 300
tccaattatg taagtaaaga ctcccttcca atttagggtc ccagtccaat gtaagcaggg 360
tgagggtggag gtaggagata ggggttgagg gctgactatt ggcaaatatg ttataggctc 420
cattgctctt ccatagaaat ctttctagac ctttgctgaa gcccaaccacg gcagggtactt 480
ggttttcatc cttcttcgag aatggtttaa agaactgtag accatcatca ggataaagga 540
aaatagcata ggagctggaa tttgaggagg ccagaacagc ctggaacgtg tttctcttgc 600
cttcctcaac aaggctccca ctgggccctc cttagggagc catggattcc caagtgacaa 660
ccaccacact 670

```

<210> 1258

<211> 673

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI235950

<400> 1258

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cactgtcacc atttattaaa gttttataaa aactcaggcc acatgggaga aaaaagggtac 60
atcccacaat atgaacaaca ctgtctagtg acttctcccc cttgctctgt ggcactatgg 120
taaagcagct cctcacttcc tacctgtcag acagcatgga catgttccta aactggggca 180
ggttgccctt tctcctgaga aatccttagca gggtaaaagt tacttgccag ccagtctctc 240
tgtgtgagaa agttccttct aaatttcatc aactgagtag taaggtttct tgaccaggcc 300
cagagacagc tacagccctg ctttttatct ggtgtgcaac ggccatgggc atgtgaggct 360
ttcagaatgt gcttgaccct ttcctatgta tccatctcac ttcatacttg ctatctttcc 420
tgtgtccaga cagcatgcag cccagtttag gaagacttgg gtgggaagag gggtttagagg 480
caaggaaaca atccttgtct caagtctggt gcacttcatg gaacatgagc tcacggggga 540
tggctgtttc tggggcaaac ttggttgctg cccggcgctc aaaggcagca acgttctgct 600
ttacaacctc atcaaaaaac atggtcgcca gcttggagtg gagcagaaaa cgaaattcaa 660
aggaaatcga gaa 673

```

<210> 1259

<211> 506

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236021

<220>  
 <221> misc\_feature  
 <222> (1)..(506)  
 <223> n = a or c or g or t

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 aaatttccaa taattttaca aagattcttg atcttcactt gaactggaca taaggaagga 180  
 caggcccctc aggttgctgt ttctctgctt gtagaaggaa acaaaagaaa cctgtggggc 240  
 ggggaggaga gaaagaactg gtgactctca tgtctacttc aggacatgtg aagaggccgg 300  
 tgtggagctg cacacctggt aaagtccagc acttgggagt ggggtcaaga gggtcacaag 360  
 tttcagctta gcctcggtta catagccagg ctgaacgata actgtcagat gactttccct 420  
 atgatttaga gcatgtacc acctttaaga taatgagaat ctcanaagct gtagtattgg 480  
 aatacctttg aagacctcag acagct 506

<210> 1260  
 <211> 482  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI236027

<400> 1260  
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 aaggtgcagc atacagaata aagaattaag aaaagaagga actgggactg ggggtggggc 120  
 ctcttgaggt ccaaagttgc aaacaaataa aaaaaaaaag taaaagattc ctcacgcaag 180  
 aggcattttt ttttttgcaa ataccatgca aaacaggcag ctggcgagag ccttaagaga 240  
 acccctataa ataacagaaa agacactcca agcggtccag tacgaagact cagagcacag 300  
 gggagaaaag gaaacaaaaa tgccttttgg cgtttcaaga tatttggcac tctcgtgatt 360  
 acattgttgt tgttgtttgt tacagtccat taaagagaat aaagtgcac gatattgaag 420  
 aaagaggggt tcgcacaaca gacccccaaag gggagggttag aaaaagctcg agcatgtttt 480  
 gg 482

<210> 1261  
 <211> 484  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI236036

<400> 1261  
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 tttggtatca aaagcttcaa actgccagat ttagtgaaaa cttttgttaa gtatccagat 120  
 gttgggacca caaagacctg ctcttggggc aggtcactgg actcctgagg ttcacctgag 180  
 gttccaatgg agcacaagga aaggatgggt ggctgggaag agtccatct aatccacgtt 240  
 gccacacacc agcctttata tcgctttctg ctcttggtta ggagtagctt ccaaaggaaa 300  
 atgggatctg tgtgggtcat aggaaggtcc tctgtctcag tccatgatac tactagaaac 360  
 gctggcagga gcaggaacag aataagtcag gacaaactga aagggttttag aggaacctgg 420  
 cagtatactg ggatttaact ggatgccaaag caggcgaggc ttgaagttct gccttcttca 480  
 tctt 484

<210> 1262  
 <211> 454  
 <212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236066

<400> 1262

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accagttaat caaacatgat taattttaat gtaattacta aagaaagata taccatttta 60
ttatgacact ctagccatac atttttgaaa atatgcttac gaaacagtaa atgtaagata 120
atgattcagt tagtaacact ttcacgagtc attaggactg atattgctct gccataaatg 180
aattgaataa ccacttcaaa tacaatcagg attaatttga tagatttcct ttgtgtctgt 240
gtgtgggtgg gtatataaga cacatacaat gaatgaccaa atactacttt aaggtttcag 300
tagagaaatg aattcgatgt ctgtaagtta atcaaatgtc tcttactttg tgacatgttg 360
gagagactga gtcactagct tgtcactggt taggtgcaca gcttcaccaa aaagagcttg 420
gatacgatgg tggcatccta gtgacagggtg aacg 454
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<210> 1263

<211> 687

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236084

<400> 1263

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attagcatca gaagagactt ggacgggggtg cgtgctcaaa tgccatctag gatggtttta 60
agaacagggg ggtgggggtaa cttgtgctac tccctaggag ggtggggggtc ttagtgcttc 120
tcggtttctt gaggggtccc acatctccta ggatggcaca ttacagctcg tagcttcctc 180
ctctctcttc ttcttcctct ggaaaccggc agctacaagc atcttcctct tgagcagttc 240
taaccgcctt cttaaagtgt tgcttgaata tgtgggggaa cttcttcctg agccatttgg 300
gcacagagaa ccagagaatg atgaagatca ggaacaggag cagcgctaata gtcagcgcca 360
ggaacaaggt aagaacctgc aaggggcgct ctcttgattc tctctctgga gtagtcacag 420
cactaggagt ggtactggga gagaggctga ccacaggggg tccacagacc acgtctttct 480
ccttggtccc attcttaagc acagaccttc cgtctagaga gcagttcgtc cagggtcggc 540
agacgccggc gccgtcctgg tcattaaacg tcccaagcc acagttttta caacctgct 600
ccgttagttc ctggccgggc ctgcagtcct tctcacacct ggtacacttt ggccccaagc 660
agtgaatcc cttcacgcac ttacact 687
```

<210> 1264

<211> 292

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236089

<400> 1264

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ttgtatggat aagaggactg tgttcctgtg gcctggacgc tgaccgcagc gatggaatta 120
gatctcttga gcatttcttc caaggacaga cttgggtagt aagccaggta gaaggcaagc 180
gctcccaaaa aactgtcacc agcaccctgt gtgtccacag ccttgactgc ttctgtggga 240
atgtgctttg gaacagggtt tgctgtgac agtgtcactg ctgcggggcca tt 292
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<210> 1265

<211> 548

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236106

<400> 1265

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ttacaaaata taaaacaaaa atttgaaaaa gaaaaaagaa agaagtacct ttctggctac 180
acacatgata agcttttagca ctgaaagggtc ccccttctgt ggtcacaatc acaggttcaa 240
gggttaaaac catctagcag taaattctac aatgatgtag agcatcaagt cactgcagtc 300
actcagttct gagacgtgt tgccttaggt tagcatttac acatgacatt catttcacag 360
acacagaaag caaaccaaca ggtaaacatg cttacacgga ctgcggaaat cttccgggtt 420
aaaactgttg tgtttgtctt gtttcttttt ttttaagaaa atgctcgaaa acaaccaaga 480
ggcccgcggc cccgtacaag aaacatcggg agtgaatact gaagagctgc aagtttctcc 540
ctcgtgcc 548
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<210> 1266

<211> 612

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236146

<400> 1266

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ttccaccctt ctttgagaca cctgagctca ctgggtgaact ctgcttccaa gttctcctgc 180
aaagcacacc acaagctcag tccatgttcg cagcccatca gcttcagttc acgttcccac 240
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ggggagggaa gtacaagtat ttcacttaac acattcagct actgtgggtt tcctaagaac 360
aaaactcaaa gtcttccaac agacgtggat gtcctctgat gcagaaacac tcgtacgtta 420
gttatctgct atcattgctc tctgcacact ctgcgaccaa agccacagga ttgagggaca 480
catctctcca agttaaaaa tatccatttt ccaccaccaa gtctttgcac gcgctctctc 540
cttttctcgc tcatactagc ctttcatgcc tcggcaccac catcaatccc acacaagggtt 600
tcaaaagtcc aa 612
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<210> 1267

<211> 503

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236227

<400> 1267

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tcgacataac tttctcattt ttgtgaccac atctccttgt tacaggtgtg aaacttaaac 180
atctattgta cacttttagca ttctttgctt atcaaattcc catctaaatt ctgagccccc 240
tctcccctca aagtgtcata ttcaacagca ttgtagacca aaaagagttt tgtgataaag 300
atttccaaac aaagaagtat gtatcagact gacttattga agacaaaata tttcattcca 360
tttgagcctg ggtatgaggg ggaaatgcaa ccttcgggtc cactttcctc cacctataat 420
ttatgccttt ggatgtttta cttacatgaa gacccctttt aaaaaagtag caaatcagca 480
gacgtgttgg atgtaataca aat 503
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<210> 1268

<211> 398

<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236294

<400> 1268

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cacaggaact gaagccagcg tgacgcggca ggcttttcgg taacaatagt tgagatggca 120
caggtgaagg gttgggcaaa caattcagct ctggtgagct ctgccacgcc ccactgacag 180
catctggtac agactaactc aggcgtggaa aacgagccaa agtccagagg caggagccca 240
caaggggaac ctgaagaagg gaggacagct catcctgac ctcgatcgaa gttttagggg 300
gcacaaaaac ttcctggatt cctgagaaca cagtagcttc caactaacac ctggtcagca 360
accgtctgcc tgaagacttc caccttgagc ctcgtgcc 398
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<210> 1269

<211> 529

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236301

<400> 1269

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acagcatttg catgaactac ctccaggcaa tatcagtaca aaacagttca aatttgtaaa 120
aaggctattt caaaaggaaa cctcctgatt acttcagggt gaggccaac accactggga 180
accgaggaca taaggcagga acatggctac cacatggtgt ggggaatgggc tgctgatgga 240
atccgaaggg ttgtgaaagt caatcacgtg gatgtcgaa accagcacag ctgagccagg 300
aatgctccct cttccttctt ctccatagcc cagggtgagga gggaccacaa tccttcgcct 360
ctctccaatg cagacacca gtaagccttc atccatccca ggaatcacat agccctgccc 420
aatgtacgtg tcaaagggtg gggtccgtga atagctggag tcaaagaggg tgccatccag 480
aagcgtgccca ttgtaatgat acctaaggaa atccccactc tgacttttc 529
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<210> 1270

<211> 499

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236302

<400> 1270

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ggggcagaag caaagttctg gtttattgtc cctgtcccag tgacagatgt ggatttgcag 60
gtgttggaac tctctttatt gacaccaact cacagcttcc tactataaaa ctccaagaatg 120
ttcagcaagc agcagcttca tgtcctttga tgaggacaaa gccatgattt gtgtgggtgg 180
ctaagtctgg gaaaggaacc ggcagacaga tggctttcct cgggtaacac gctactttaa 240
ctccccgggt aggtggtgta ggaccatggg ctccagcagca gaggtacgtg gaacttcttg 300
gtctcctttg taatagtga aacaacctct acatattgggt aaaagctctc ttgacccgcg 360
tctttccagt agcgtccgt gtcgaaggac agcttatagg tgcttggtt catctggctt 420
tgtgtcagga gccaggaca ggcaccatcc aggtttgtgt agcttggtt cagctccatc 480
cactgctgac tgggggcct 499
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<210> 1271

<211> 575

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236332

<400> 1271

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aaaaaagaat caaaacagaa actctaagta ccagtgtgta cattgtacac atttaaata 60
ctcacaagaa tgaagttttg tttttcatat ataaagatga taccaccttg ttcttcatca 120
aaagatgttc aagaattctg cctccaaacc acatacatga ctgccatttt aaacagaccg 180
aatttcaaac atgcaacaac gccactggta ataaagcttt ggaatggatg ctactctat 240
tatttctaata caaacgagat agaaagccgg cgagttggaa attttattct aaagcacaat 300
ggaggtggtc attgtctata ccggcacacc tcactcctct gctgccattt ttagcaagta 360
ttctttgtca atcttgaata gtctccatcc ctcttctactg gacagatccg aagcacctct 420
tctttttaga aagttgatag atggttcatt ccactctgct accaagaagt gcatactgct 480
gcagcgacac ttcataagcaa cctggccttag attcttcaaa attttctgatc ctataccaaa 540
gcctcggtaa tcactcatca caaagaagtc ttcaa 575
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<210> 1272

<211> 552

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236338

<220>

<221> misc\_feature

<222> (1)..(552)

<223> n = a or c or g or t

<400> 1272

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agatggcaaa gatgctggct ctccctccaa gaacagctgt ggagctgcct ggggaagattc 120
acacgtcaag aaatcgggaa gatgcggcaa ggggtggcag ccgcctgtag tcagccagca 180
tctcttagaa cgggctgggt tgcagcccaa gtctctcaca gaggtgtagg cagtgcctgc 240
acctcctcca ggcacttgct ataggcctcc tgatagtctt catggggctt caccatgatc 300
acacaagtgg gacgttcgat cctgtagctg cacccaagtc cgtcttagag ggaatataga 360
cgtagggcaa gttctggctc tcgcacataa ctggaagatg gcagtacacc tcaatcggca 420
acgtatctcc tgccaagacc atgatccctt tctcgccctt gttgacaaat ttctgaactt 480
ccttcacccc gcgacgaatc tgcttctgct ttacggcctt cttgatgcat ttgtnaagct 540
tgcgcgctcag gc 552
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<210> 1273

<211> 500

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236366

<400> 1273

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gggtcggagc cagcagcagc ggctgcagcg gcggcgccgg cagtgggtggc agcaggagac 120
aaatggaaac ctccacaggg cacagaatcc atcaagatgg aaaatgggca aagcacaggc 180
accaagctgg ggctgcctcc cctgacgccc gagcagcagg aggccctcca gaaggccaag 240
aaatatgcaa tggagcagag catcaagagt gtgctgggtga agcagaccat cgcccaccag 300
cagcagcagc tcaccaacct gcagatggca gctacgggca gcgggactg gctatcatgt 360
gccgggtgta tgtgggttcc atctactatg agctgggaga agacactatt cgccaggcct 420
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ttgctccctt tggccccatc aagagcattg atatgtcctg ggactccgtt accatgaagc 480  
 ataagggtt tgccttcgtg 500

<210> 1274  
 <211> 542  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI236461

<400> 1274  
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 agctaaatcc ccaacgagat ctacggtttt aagactcctc ttgctgagct gcccagtagt 120  
 ggataattgt cacagctttt ccaaagaacc taatccaaac caggcatggg ccagcacacc 180  
 tggtaatcct agtacgtggg aggtagactt aagaggatga gtccctcgcc agcctctgtt 240  
 acataacgag tttgagacca gcctgagcta tctaagacct tacctcctac aactaaaaac 300  
 aaaacagaca ataatgatcc taatccaggg aactaacttg atgatttaag ggcatttttg 360  
 agacatcaga aaagcaatta aagaaaaaaa aaatcacac catctggaga aacattcttc 420  
 ttaatctaata attaatgctt gcctgtaaat tagtcttaca gttgatgcta tagtgtggat 480  
 ctgaactctc cccacaaagg cccaggtggt aaaaagcttg cctccttggt gaatttaggc 540  
 ca 542

<210> 1275  
 <211> 321  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI236473

<400> 1275  
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 tatataacag aaaagagcac aataacttaa gtgttaaaca tctgtatgaa ataacttgca 120  
 aagtttgaca actatgcaca catagaacat gcgggtgttt aaaaaacaga acaaacaaaa 180  
 acaccaccg attctgtaga accagcatca tttcaccagc gggagagcac caagcaaggc 240  
 accattggaa agacaacaca cttggaaagt ctctataaat aaagcaaag ctaatctggt 300  
 cgaaaaatcg gtgtctttgg t 321

<210> 1276  
 <211> 490  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI236484

<400> 1276  
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 gttccacca cagtctgctc agacacagca aacttggtgg ttctatatta aaaggctgtt 180  
 aaatagggag atggcattca tctaccgcc ttgggaagta gagggcagta taaacacttc 240  
 ataccccaaa ctattggcag cagtttcaat gttatcaagg taaatgtgga atggagatgt 300  
 tcttaaacat ggtaggact taagtctacc aactaaaat catgattaca ttttgaaaga 360  
 aaatgcacaa aaacaaaca gcaaatattg agatcttttt catttgatg taatcttaat 420  
 gctattaaat acacaaatat gctatttttt attaccaat cctaattatc taaaacacac 480  
 atttgcaaac 490

<210> 1277  
 <211> 439  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI236566

<400> 1277  
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 ccaccagggg tgtccaggct tccatccagt acttaacaca gcaggagcac atcttaaata 120  
 cagcagcaag ggctagagac agaccacagt gaggagaccg caggtcctga ggggtggggc 180  
 aaaggcatgt gtactatact ggcacagtcc acttgggtga aggtagaggt gggatagata 240  
 ctgatttgca gataggaagg acagtgttct cttgtgcaga tggagaaaga ggaatcctgt 300  
 ggacaggaag tccttttttac atatttgcaa gagcagattt cacctcaaag gtgggtgttg 360  
 agggagaag gaaagtttat tttaactgtc cacagaaata gatatgggaa agaatgttg 420  
 ggtttgcaga aaggaaaaa 439

<210> 1278  
 <211> 526  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI236590

<400> 1278  
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 agacactttc ccaaggggtgc tttcaaatgc tcaacatcaa tcattgaaat gccccacgag 180  
 ctctgtcaaa gaggcctcca ttctcctcc agacactgag gggagacca ttttctttat 240  
 gactcaggac cctgggggtgt gtgccctgag agggaccatg acattgtctc tgtgttaaag 300  
 aacttgagag gaatttgcaa accgcactgc tggggagaaa acaactgatc ctgcagctgg 360  
 gttgtggggg gaagccaaac tgcttctcct tttttttttt aaatcttcag tttgctaaag 420  
 gcccaaatgc tatcacatta ggggcctttc tagactttgc tttcaatgat tggagaaaag 480  
 agaggagaaa ttaacaatgc catcatcttt tgtgggggtg ggggag 526

<210> 1279  
 <211> 567  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI236599

<400> 1279  
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 aataacagca ctaaaccagg caccttcgac cgaatcccat cctcgtccac tccctctgcg 120  
 ctacgctttc tcgatgacca gaaaatttca gagccccctg gaggccagaa tggttcctac 180  
 ccagggtctc ccaccttgag tttctgggtg gaaagctcag gtgagaattt tagcctgaag 240  
 ggaggggggc tgtggccagg cacaggactc tctaccata agacactttc tgctcaccca 300  
 ctgcagggtc ccagccaagg ggactgactg ctggctttag gtttgcctcc tggagatga 360  
 gcctagtcca gctcagggcg tgcgtggggg gtactcaggc agcctctgca gcctctcctt 420  
 ctcagcctcg ctctcatctc gtgctatcac caatgaatgt gaatagccca tggccacctg 480  
 ttcggagaag atgccatcca gagtcttcac ctctgagct gcagtagaag acttgggctt 540  
 gtggtcccca tatcccaatt ccccgaa 567



<210> 1280  
 <211> 625  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI236601

<400> 1280  
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 cagccctgct tcgcatgctg ctacggttca ctagctgttg tattcttggt aataataaag 180  
 caaatcactc tactggacag acttaatttg gaaagccctt atgcagatca gactcagtct 240  
 catatgaaca accccggcca cacatgcgga aatgaagagc aaatgcagaa gaacacagaa 300  
 aaccccttgg caagaacagc tgctgcagac tgagcccagc gctgtcagtg cagttcacgt 360  
 cctcagaaga caaacgacct cctcctcag catatgagca gcaatactgt acagagctca 420  
 gtgggggtccc aactccacag gagcctgtca ccaaagtcac tctcatttag ggtcagagac 480  
 tacagactca agctttttct tttttccctc ataatacaca aaatgtctag acagtcctta 540  
 aaaaaaaaaa aaaaggaaga aagaaaatat aaatagactc agtctgtcat acagaatcac 600  
 atacaatggc aaacacattt catga 625

<210> 1281  
 <211> 481  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI236679

<400> 1281  
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 tacataccct ttgcaaaatc tgattaaaag ttgcagtaaa cagatgcttt aaataaaata 120  
 cagtaatttt tgaagacatt ttaaattcgaa ttggctatat cagtgtagta tcatttgtaa 180  
 aattacagtt aaaaagtgtg gccagtttgg aatccatct tatttctcgg ccttccacta 240  
 ctcaatatga agctccattc tggcttgcac aggggtgggt ttcagctact aggccaatgt 300  
 tctgttagaa atctagtcct ctgcagaagg aacagggatg tggtaacag catacaagga 360  
 atgcacaaca agatgcaagc ccagactaga agtagcctta gttcaactac atagtatcct 420  
 ttctaagtaa aatgcttggc caatagaagc aagaaattgc aacaagcata tcactgtcta 480  
 a 481

<210> 1282  
 <211> 519  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. AI236746

<400> 1282  
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 tactaaacaa aatttcagtt gataaatgga attggatgat tgaaaatctt tatgaatttc 120  
 ataatacaat atgtggctag ctgaaattgt ctatcacata gcatttaaga tataaaaggc 180  
 ctcatgctag tttgttaaag gcaaaggcta ccagacaagc acagagctgg atatatccat 240  
 gaggcttcca gatgacgcac aggaagagtg gcatccatag tgcaagacga gggggacgga 300  
 gctgtacaag tgacacttga ctcagagtgg attagtcttc atgcctggac tgaacccac 360  
 agctcctgta atttagactt taaacaaagt aaaaagcaaa acccttttct gtatgaaaaa 420

gaataaaactc aatttttacct ttggcaaata atatcccccc aatgtatatg caactcaaag 480  
aactcagagg ctctctagac aagcttctga tcaacacag 519

<210> 1283  
<211> 652  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI236753

<400> 1283  
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ttataaaaaga atcattcctt catctagaat gtgattgaaa ttagatattg gtaaacaggc 120  
aatgtaaata cctcagtgtt tgcctctgat agtttgcaat gaccaagaca tgatactata 180  
gcctcatcaa gtgcaacttt gtacatgtct gatgcatata tgttgtgtac atgttgtgga 240  
ctgagaggac atcttcaggc actggctctc acctcctaac ttgagataat cttgtttgct 300  
gttgaatgca tcaagctagc tggcccatgg tcaaattttc ttctgtact aaaatgtacg 360  
gcagcaatgg gataaatctt aggttaacag tatattcaga tgcactgtgt atagcaataa 420  
aaagctccag tgatgttctc tttctaaaga cacactgtcc ttctggggag gtgggatctg 480  
actctaattc ggcaccatgt ctagctcatt ttacaaaatt aacctttaca aagatctaca 540  
tcagcatcta gaagagtcac caatcaatga tcaagaaaac tgttatttgc ttttctttct 600  
ttttgactgg gtaatttcct taagctacat tattatgggc taactggaaa ac 652

<210> 1284  
<211> 420  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI236761

<400> 1284  
gctgtctagc atgatctgca tggcctgtaa tctttgaacc actttcgtac ctcatgtttt 60  
tatccagcac tcttattgta ctgtgtacta gtctgtgaac aatgtcaa ataaaaagagc 120  
gaacaggtcg tatgggtggag ctgagctagt gtacaatgca ccagttgtac agaaacaaaa 180  
atgaagtgag ccatcttttg ttcatttaaa atgggtgttt gaatttcata tgcagaaaac 240  
gttttgttac attgcagatt ttaatgtatt taataaatgc aacatgcaga ttaagtgcag 300  
tgtatactga gtatttaaat taaaatgtac atttcataaa tacagtttca agagaaagca 360  
tcattttgtg tatactaaca catlaagtgt atgtcagaaa ttgatgtaca aatatatatt 420

<210> 1285  
<211> 522  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. AI236771

<400> 1285  
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cctcttaggc tcaggtgggg acgtccaaaa gaacagcaca agagaaacaa aagcatggtg 120  
gggtgggggt ggggtctgac atgtgatctg gttatcgga ccatgagacc caagcagaca 180  
gcatggggcc accccaggat ggaggagcac taagttacag aatcagattg tttttaacct 240  
taaaatgttc aagcaccatt ttaaagcaag caagcacagg tactcctatt gagcacatgg 300  
tgggctgcac accctttcta agcacacaca tgcccggcac cctgcagtct ccacgcatac 360

tcttgacatg tagcatgtgg tgctgggtgt tgttgggatg tcgtgtcctc gtgtcacaca 420  
 gtgctgggct ggggacccaa ggaccagacc tgcataaggc actgcctgac cacagtctct 480  
 gaagaatggt gctgtgattt ccagactgaa gaccttaacc ct 522

<210> 1286

<211> 655

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236772

<400> 1286

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 gcatagttaa gtatgaaagc atacacggaa aacattaaaa aataccaag gatgcgcgtg 120  
 cacaggcaaa gaagacagcc tttgtgtcta tagcaagctc agaggtagca caagagagta 180  
 tccatctggt aacattggaa atcatgcaaa caactgagtc aaggcatggc attaagggtga 240  
 catcagcatg agttataatt ccctgggtac aaaacctata tattcttttg gtttcaaaaa 300  
 aattaaatga atggcctact tttatcttct ggacaaaaaa acaaaaaaaa aaaaatctct 360  
 aagagcaaa gtcacatatt gtcctaacca catatatata aaatattcaa ggccacagat 420  
 ggaggtcgct agatgacaaa agaggatact gagaggtaaa gtaaccagag agagatgcag 480  
 gagggaaagg cccctctgcc tccatggggg atgcaaaggc ttaggactg gaacacccaa 540  
 cgtggaccac actgcctgcc acaaggaaact cctcactgag ctgacgtcac catcatcaaa 600  
 ccgctcgaca ggcggttgta acttccttta catttcccat gggggacaag catgg 655

<210> 1287

<211> 571

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236773

<400> 1287

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 aatacgtgtt tatatacaca cattcacatc cttacatata cgcaccagga actcagggtt 180  
 ttctcattaa tttagtttca ttaattccct tctgggtgct gagatttttt tttaaagcaa 240  
 ttacagtatc caaagaacaa aatgactata ccatttgggt tacagatgac aacagggtgca 300  
 tttggtgaac tttgatttat cttctgaaaa gtggctttgt ttgttgagac gggcaggatt 360  
 cagctatgca taccaagtct cagagacagc ctggggaagc acaaggttca gacaatccaa 420  
 ataacactcc tgtgaggtgt cttcaaaaca catctgagga taccctgttc tcaaagtatt 480  
 ttcttccgag agccacaaa ggcagagtta ctatgtaaat gtctatagtt aacgaaagtg 540  
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<210> 1288

<211> 446

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236947

<400> 1288

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 taaaccgttt tgatttctgc catttctaaa tctgttaaga taaaaaaaaa ttcacttttcg 180

acttcaggag aaaaccattt tgggttcttta catgttagct gaagggccta cacataagaa 240  
agcaaagctg ccgtcttagg gatggacatg acagttccat agaaagaaaa ccaaggagct 300  
atttctcaag tctttccata atggagccac agtgactcag ggactcagca ctctagagct 360  
tagcccagga ctctggctct acaagcacta gcatgccgaa gacaccagca gcgaacaatc 420  
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<210> 1289

<211> 382

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236972

<400> 1289

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cccagcccga aatctcacag acacttttac ttcaagctac cttgggccgg cgtctcagga 180  
aacagcgctg atacatggga cggaatgttt cagagcacat gacaccgctg tgaaatgaca 240  
ctagactcag tcaaggctct gtggaagcca acagcagcaa acttgctaga acagtaagcc 300  
agcaggaagg gaacgacggg gtgccctgct gccgacgcca cggtgacaac atgaccatga 360  
ttattcttca tcatggctgg ga 382

<210> 1290

<211> 410

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI236989

<400> 1290

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ttttttgttt gtttggttgg ttctcacatg ggaaagttaa gtataatatt taaaaggag 180  
aattctgtca aaaagacact gtgttgggga ggagagtctg ggattgccat gtgaatcaca 240  
ttttcttttt tctcttcttt tctgacacgt ttgccatttt cctcttcttg gctggcgctg 300  
ggctattttct ttttagttggc tgctggctgc caccagtgtg gtcagatttc tctgcattag 360  
gtgctgacgc ttcttctga attttgtcag cagactcctt ttcgatcgtc 410

<210> 1291

<211> 469

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI237002

<400> 1291

taaatacacg tgtttttttg ttgggtcaca gggcataggt ggtgctgtac agagctggta 60  
taggcgtggg gtggtgttac agtggcactg gattcagctt atgtcattca gggcctgtgt 120  
cagctgctgc acgggctccc ggaagtgggt gctcgggttt ttgctacaca gcatgaagcc 180  
gatctggcca ctgggatagg tgggaatggg acagtaggca tagctacca caggggaagag 240  
agacttgtag aaatgcctca tctccttgat gaggtccagg tgcagccact ggcactcgcc 300  
ctggcaacag aggatgccat cttcttttag ggctgtcttc atgagctggg aataggactc 360  
cttgaagagg ctctcagcag ggcccatggg gtctgaggag tcggtgatga tgacatcaaa 420  
ggcatcttgg ttctgcttca tgaactcaaa gccatcgccc acgtggaga 469

<210> 1292  
<211> 441  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI237124

<400> 1292  
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accgcatcat ggccaccact gactgggagc tccactaacc atgattcaac tgacccatgt 120  
cagacggtgg aaggaacaaa aaccaggccc aagcgtctgg ctttacattg caaataggga 180  
cagggtggtt cttgcctttc agaaacaggc ttggcagata ggcaaactaa gaagtaaaaa 240  
tagaaacaac cagaaaaaca gtcctcttac acataattaa gacagcacct gctctccagg 300  
gcaagaaagc acccggccct ttgggatata caaatattta tcagattctc tttgcttggt 360  
acaaaaacag gaaagcttac agcagattat ttacaaacgg tatcctggga tatgattaag 420  
gcagaggtgc actggctttg g 441

<210> 1293  
<211> 451  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI237159

<400> 1293  
gagatcgggt cttccgcagg aagtcaggat ggccctgggtg gacttacagg tatatgccat 60  
tatgcctgga ccagacatca gacatttcag accagggtgct ggtttgcatg cacaggaatc 120  
ctgacaggat ggcaccgctc tcacaccaac cggaagtga atcttaacat tccaatgatc 180  
tggaagggtc ttgctaaact ttagaaactt ttgtttttct tttagccact agatttttca 240  
ggaaaaattc acctgcttta tatgaagatc gcaccaaagg gccacttgca gtgtagtgaa 300  
atccaagtct atttctact tcttcccagt atttgaactt ctcaggagta acgtactctt 360  
caaccttaag gtggcgcttg gtcggctgca tatactgccc gagagttaaa cagtccacat 420  
cggctgcacg gagagcttcc tcgtgccgcc t 451

<210> 1294  
<211> 471  
<212> DNA  
<213> *Rattus norvegicus*

<220>  
<223> Genbank Accession No. AI237189

<400> 1294  
gaagtcaatc tatatataac agattaagat ctttaattcta catacatatt tagtgtttta 60  
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aaaaacattc actctgacag ttaacatttt tctaaatgta acaatttgaa gtttctaatc 180  
cactcactct aacatacagc cagatacttc ctatgttcct aaacaaacaa aacaagacaa 240  
gacaaaacgg aacaggaggt attactctga agcccccttc cccagggaga gtagatagga 300  
cttgtgaaga gaaacccttc ctttagcca gtatttttat tccctacagg cttcgcaaaa 360  
gcgttggtta caatgacatt tggctttggg gacctgaggg aaaggcaaca ttgacttaaa 420  
gacaatggat attcaataag aataaatata tgtgcgtggt ctagaaagac c 471

<210> 1295  
<211> 545

<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI237207

<400> 1295

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agccctagaa agggagggcc agagcagaaa ttaagagaaa aaagccacca gaggaaagga 60
aaaaaaaaaa tcttcagcaa atctagaaac gttgtctcgg cttgtcattc caagagagag 120
agagaaagaa ggggaaaaat aataaaactt aaattcactt ttactttttt gcacgttcac 180
aagcattcac cgtacgtatt ctcttttagt tttttttttt cttttataac cgctgtgaat 240
tgtacatttc tgtggttatt tttatcacc ctttggagat gcagttaaac tttgaagctt 300
aagtgtgacc agactgtaag cggaagagct atagtgaatc caactttaga gggtacgttg 360
tgacaagcga actgtttttg tttctgaagc tttactaata taccagagca ttggcgacgt 420
tgttttacat ctgttgttta aaatagatga ttataacagg gcggggaact ttttctctgc 480
aagaatgtta catatttgtc agataagtga gtgacatttc ataccctgta tatatagaga 540
tgttc                                         545
```

<210> 1296

<211> 540

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI237580

<400> 1296

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tagttacatg taaaatgatc tgaaaccaac tcaaacatct cattccaaaa aaaaaaaatt 120
tctcattccg tctctacttt tcttaaatta taaaaaataa aatctgacgg ttttgatttc 180
aagttagata agggttgcc aatttcagca ctcggaagtg tgggtcccca cctgtacaga 240
gcctcacatg ctacagagat ctctaaagca ccaactgcaag actgagtgtg agtggttcagc 300
tagaaccgcc atgcctgcct tgccctggag gtgttctttc cttgggattc gatgacaatg 360
acagtaattt tgtttttctc cttcagttta gacccttctg tctttgccac catttgacca 420
tctctgcagg cgtgattatt ttaaccagtc atttattcat ttgatagtga ggggtataatc 480
tggaacaatt ttcaaacatc tatacattga caatgtgtag atatcccgtc ccctcgtgcc 540
```

<210> 1297

<211> 610

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI237609

<400> 1297

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attacaatcc aaggagggag gggcagagga acaatcaaac aaaaaggaaa actgagaaac 120
acatggtggg caggaagggg ttcggctgga agggatctga ggggtgggtg gcgtactgcc 180
caatgaaaat gcagttggtt tgttactgag cactactcat gggaagagag catcccaact 240
cctgctctat agaacgctgg gagtgaaggt gatgcacca gatggaaaat gactgggaat 300
tggaagacgg agaggagtaa agtcaaatac aactgagtc actggcaggc taactgcaga 360
gaccaactct cacttaaaaa gctgggggct ggtgggggta atccaaacgc tgtaacaagt 420
gatattctct gaagattcaa gaggaggcaa ctcttctatg ggtttgacct tcgcagcata 480
tttatacaca cacgcgaaca cacgcgaaca cacacacaca cacacacaca cacacacaca 540
cacacacgtg cacgtgtgta tgtgtaccca cacatatata catgaattac tgctttccct 600
```

ggaagcacaa

610

<210> 1298

<211> 573

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI237614

<400> 1298

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tgactcatgg ccaatattgt ctcaacacca cttccatcca tttcctccct cccacatcat 120
cctaaaacaa atcccagata tcatatcgct ctgtgcacaa atgtttcagc ctttgtctct 180
aatatatgac cccttccctt aacaggatga taccagcatt ctgactgaaa atgttcataa 240
atatcttcac acagcaaagt ctgtcagggt cataactgtc tcatacatac tgtaagcttt 300
ctgtttgaac caggattcaa ataaggttca tgcattctct cagatgagag cattatggga 360
aattgacttg actgtttcat gtaggaagcc atcattgtga cctctccata ggccacctga 420
gcctatctga tgatgggtca agccccgtga tctcttccca agaggcgtgg gttcagaaaa 480
gtgctatctg atgggaaaca ctttggccct ttgtaagggt ccatcaacag ttacaaagca 540
catttgaagt ctgggtcctt gtgccgaatt ctt 573
```

<210> 1299

<211> 673

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI237618

<400> 1299

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agtgccgaga cttcagtgtg tcatcttcag atataagggtc ttagtccagt agtgctgtat 180
tctttaagga caaaagagca atagctatag gttaggaggt cactaagcta ggacagggct 240
ccaatttgca ggctcagaag cctggacatc taattatgca acggtagaaa ccaatgccct 300
ggcccagaac agctcgggtc ccccagggtc ggtctatata taattctggt ttggtgtaat 360
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ctgtagtccc accctgtctc tcagaaaaga aggaagccag gcaagacagc agaggcccag 480
ggcaggggag tgaaagggcc aatttaatga aactacaaac tgggaccagg ccacagttca 540
cagtgatagg aggccatgca gtgtgtgaga ccaggagagg gacagcagca ggttacagcg 600
tccacatggg catattcaca gaccattcaa gaaatggaca ggtttgggct tacacccagg 660
gcacgactca tgt 673
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<210> 1300

<211> 604

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI237636

<400> 1300

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ggccgcgaga tttttttttt ttttttttta catcaagagt aactttattt aaaggggaact 60
cacacgagac aatgtatttta atataaactt aagtatttag taagttatgc acatactgtg 120
ctgtcctcca gaagacaact gtcacaatt tccacccagc tgctaactta ccttacatca 180
cctctaagaa aatcagccta gagagccctc ttgaagatgg ctttctaata tgaaatgaaa 240
```

```

agggcaaggc acgtaaaagg cagcccaaca tcagtgaggc cctgggccta ttctggaaaa 300
gctaacaaag cgctgtctaa agtgaacact cgtaaataac ccgcagggtga tttacagggt 360
taatggtctc agacaaatca atcttctaca gaagatgagg tgactaggcc agtacaaaaa 420
ccattcctga atatatgcat gagagaaatt gtgtgtcaat gcacaagatg gccatgtgca 480
tacaaattac agagacatga aggtcacttc tgtgattttt attttagatg ttctttaaga 540
gtgaacggca tttgttgaaa tcgaggcaca acaggaaaaa ataaacattt gagtacaaac 600
cctc 604

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<210> 1301

<211> 597

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI237698

<400> 1301

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gagattcctc ttttttcctt ttttattcaa caacacttct ctttttttcc aagacataca 60
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ctgcataata caaacaagga acagatgttc tgttaaaaaa gactgctgtg aactattctt 180
aagactttta aaggtcttca tgactttaca gacatcttca cacacctttt ggtcctcaca 240
acaaccctgt gaggtaggaa ttaacatgat cattagcaga gcataaaata ggaaaatgag 300
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tgtgttaaag cacaagcat gaagtcctgt aaaatatgct ctgtttattc ccagagagggt 420
aacaacatgg gatattgaat ctttattatt actgcatttt attatcattc tcttggtatg 480
aattttcttc tttattataa cttatacaaa atatctccat ttctactgca atatttattt 540
cccagtatat atacttaaaa tataaaaggt aagcaaatac aaatagcttt ctagaaa 597

```

<210> 1302

<211> 592

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI237713

<400> 1302

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gcatcagtac aaaaaatcta agcagagaca gtagattagt aattagagca tcatgtagcg 180
ttggttttag gaagaagcgt cacaggtaaa agaaggagca tatgacataa actcaaact 240
gcaattcaaa tttacaaatt ataaaaattc accgctttta tagctggttt cttttgaatg 300
gctaaatttt agcctcattt ttttttcaat taaatgcctg ttaacaaacc aattggacaa 360
actcatttac ccaaatttac atcctagaat atgtaagtaa actgaagaca ttattcagat 420
gaataagttc tattcatttt catcatctct gtgatcagggt tgcaaaggac atgcttttct 480
ctttgctttt cctaagccac tgcttcctgc ttcttcagga atctgggttt cttttttaga 540
atctttaagg gacaacctga agaattcccc gatgcctttt tgccacttgg ga 592

```

<210> 1303

<211> 563

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI237855

<400> 1303



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ccaaaagggg cttaagataa caagatacaa ctctttttatc aaaactctca aaatggggaa 180
tgataaagaa caggacaacc acactgatgt catctttgtt cttctacatg atattctctt 240
acgtctccca aacaagtgcac aggaggattg agggacactt ccagaatggc taccatgttc 300
caggttctct gtgagatact ttgtgaaaat actctcccat ggtggacatg atcaatggca 360
ggttttatat aacaactcaa gaggccccca gaagttaaag ccaggaaatg ttggaccatg 420
gaaagagatt gaaaggagaa cttttaatta tgagaaaagg atccagtaag aatacactta 480
aacagatcaa taataatata tatctatatg ggattggaca aagggttcat gagaaacaac 540
gacattactt gtattctaaa agg                                     563

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<210> 1304

<211> 493

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI638994

<400> 1304

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acactatata tacagcatgt ccaaattatc acaccactgc aaaataagga cgtttatatt 180
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aaagaaaaaa atcaaaaaca tgcttatttt ttaaaataac agttaattgt ctcttaaagt 300
atgaaaatacc agtttggttt tatacatgaa tgattatatg acaaagacac ttactatgta 360
tttgagtctt catatttcaa aatacacaaat gcaatcatca taacgggctc catgatctgt 420
ctttacttga tgtatttagt attcacttat taaaatatac taaaatttga ttttaattta 480
tttttatggc aaa                                     493

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<210> 1305

<211> 399

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI638998

<400> 1305

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ctctcccaat gtaacgtctc atgttcgctc tgcaaataaa gagctcgtgg gtacctaagc 180
cgcacactgg acatctgtac tcgtatgctt cagcaggaat tgtgtgaccc aggaaacatc 240
tgtacacaga tgtaggccat gcggcataca cttctagttc tcagctcgca accctgtggc 300
ctcttctaga ggagcaagta tgcaggaaca agggcagaag gccactctt ctgagatcca 360
cgtccttctt agaatacaaa ttctgggacc cagcggcag                                     399

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<210> 1306

<211> 448

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI639029

<220>

<221> misc\_feature

<222> (1)..(448)

<223> n = a or c or g or t

<400> 1306

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agctcaggct gcctctgcca tgctgggggc ttcccaaagc agccagagag atttctctgc 180
accacctcag cctctacaga agttctggct ggggaaagac tcgctgagcc tccgtggcta 240
accaggcttt ctgacccaag atcaggcacg gtggccctcg gctgggcttg ctgaccgaac 300
atccagacag aggtttctcc tttggcaggg cctgcctcag agccaggctc catttgctgc 360
acagtccaag aagccatcat ctcaggagcc ttccccagac ttcactgaag gctgtacagc 420
cacctnctcg atctgccagc gacacatg                                     448
```

<210> 1307

<211> 392

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI639042

<400> 1307

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cacatacaga gcatcaaaat acttttgcta ctttgacaac taaattgaga ttaaaaatac 120
acaagttcaa acatttctac atacaacatt tttagggttt cattttacca aaacaaaata 180
gtacaagttt tgctgcctcg atatatacat caaaataaat acttttaatt gtggaaaata 240
gaaatcaaat ttcttaacat tataacaaca aatagtttac cctgaatttg tagtatcttt 300
ttgttaaaaa ataaatttac ttaatcttaa atttaagtca atgtacttta atgcttttta 360
aaaagagaca aaataactaaa ggacagggtt ac                                     392
```

<210> 1308

<211> 388

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI639055

<400> 1308

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tttaggggtcc ccccaaaccc caaaaagcct ttggggggca gggatcctg cattttttga 120
atttagaacc ctctggcagg accaaacatc cggttaactt taaaaaaggg gggcccaaata 180
tttttgtaaa agcccaggcc agtttgtcaa agggaacccc tgtggggaaa ttttctttcc 240
cccatccgtt tttaaaaaac atttttttac caaaaccgtg gaattgaaca aaaaaagggg 300
aatggggccc atttcccaaa atttcacaaa aaaaagggaac cggggaaccc ggggttttat 360
ccaaaggctt tgtgtttgaa aaaaaaaa                                     388
```

<210> 1309

<211> 533

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI639101

<400> 1309

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```

ctctaccact gagctaaatc cccaaccctt aaatgaatgt ttttaattaa cttctattcg 120
ccttcattca gtatgtggat ttacattctt ggtggttcaa ggggagtaga gatacactta 180
gaaccataag cagctcacag cagacatttt aggcactgga gacttgggtc gaggttagaa 240
acatggagtc aagttagggt cccaggggtc gtgacaggag gctcacagcc agctccaggg 300
cgtcagacac ccgcggaact ggcattgtat tatctgtatt cacatgcaca cactccttca 360
cagatacata cacacatatc agagctaaaa tatttgctgg gcagtgggtg tgtgtgcctt 420
taatcctagc actcgggagg tagatctttg agtttgaggc tagcctgggc tacagagtga 480
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<210> 1310

<211> 413

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI639108

<400> 1310

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gagcctcaca agggaatggg tttgccattc ccatgaggcc atgcactgag gtactaaaca 300
tggctgtggc catgtcaaca acatagcccc actctggacc tcactctaga cactgtaaag 360
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<210> 1311

<211> 411

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI639151

<400> 1311

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gaacaattaa agatttacct attaaaatat acagattctg actgaaaagt aatagggtat 120
ttaaaaaaga tgacaaagga tgtaaatctt tttttattat tatcattttt acatattttg 180
gaacctcaca taattttgat aaataactct tacaaaatta tgcaaaaagt acaagaatgt 240
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cagcatcctc tttacaaggc aatcctttta ctcatacaat cttctgctgc aaagaatagg 360
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```

<210> 1312

<211> 447

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AI639158

<400> 1312

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tcttggtgta gtctaaagca ctgcacagg acttgagact ggggtctact cgatggctgt 180
ccgagacaac agtgaagcct gacagaagg accctccacc tccactcatc aacaatttgg 240
gatgactccg atctggcaga acctggtaat ttctgagcca ggtttcagac agtctcaggt 300

```

```

taatgactcc tcctctctcc cgcagttttg tgtagcattc caacaaaggc tctttatact 360
gacaatagac cacaacggc cttgatgggg ctacaaagtc cagcaaagac agcagcaggg 420
gtgtgggggt ggaaacgact ggccaca                                447

```

```

<210> 1313
<211> 393
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI639167

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taaccggatg tgtgtgggca aacaccttct aaaccacacc agtgtaccg atagccagag 360
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```

```

<210> 1314
<211> 461
<212> DNA
<213> Rattus norvegicus

```

```

<220>
<223> Genbank Accession No. AI639281

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gttgtaggat atttagcccc acccctttga ggaattggag gacgtttaac tccaccctt 180
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ccagggatgt cagttcactg ggggcatttg ctctgatcca ctgcccaga ggtttgggca 420
tgaagttgcc cctctcatct ctatcagatt gtggtagaac a                                461

```

```

<210> 1315
<211> 570
<212> DNA
<213> Rattus norvegicus

```

```

<220>
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<222> (1)..(570)
<223> n = a or c or g or t

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aggttttag acaatataca cagtgtatga tccccattgg aaaggcaaga aaccaaactc 180
aaggttttaa gtttgggaat tagcaaaaga aggttgtacg atcttacgaa aataccgcag 240

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```

accactgacc tatgttttag gacgtgaatt ttatgggttg taccctgga agtccggcag 300
gcgggtgcgtg acgtttttac gtggcagata tctgtggagt agcgggcaga atcagagcca 360
cactgtcaag tgcagtcctg taatcccagc acatgagaac ctgaggagga ccatccagaa 420
tctacagcct gagctattta tgcactgagt ccaagactgc ctggggctat acggtgaggg 480
gctctcagtc agtcaactga tcaatccatc agccgaccag ccacagnctt taatacaaaag 540
ataccttaat aaacagagggt gaacgtctac 570

```

<210> 1316

<211> 401

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI639488

<400> 1316

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gagcacaatc atttgatcg gctgtctgca cacggggcag ggcttattcc tcttcttttag 180
cttctttgca cagtgaaac atgacatcag gtgtccggtt ttgccgtgaa caatgcaacc 240
atTTTTtaggc cgccctggc aaatcacaca tggctcgatg gcgttcagag agaagctgga 300
ttccatactt tctctttgt cttgtgtgtc ctcttcaac tctttgccac tttcttggct 360
gctgtaaaca atgctactgg aagtcgacgg ctgggaatag t 401

```

<210> 1317

<211> 486

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI639501

<220>

<221> misc\_feature

<222> (1)..(486)

<223> n = a or c or g or t

<400> 1317

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gaaaaaagga accaggatac aacaaactca tatttaagta gtaaacatgt cagatatttt 180
aaaataataa atacagaata gcaggagaga aactaaaatc ataaaacagc atggagtata 240
ttttattttc ttttaagacag atgaaatttc taggcacagt tttaggcatt aaggaggaca 300
cagaggcata ggtagtggtg tgctgctctg tacaaaaata cagtctgaat aaattacatt 360
gctagccata caattagaca atcacttata agtcaattca ctgcatgttt aataatatac 420
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```

<210> 1318

<211> 453

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AI639534

<400> 1318

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gcacagaccc	caggtactcc	actgtgacca	tgaacctttc	aagacacagt	tatggatgtc	360
atagcagtgt	cgaatatctt	ggagtttccc	agtacatggc	tgcccatcaa	atttgccggc	420
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<210> 1319

<211> 2002

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AJ000347

<400> 1319

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<210> 1320

<211> 3166

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. AJ001929

<400> 1320

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```

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3166

<210> 1321

<211> 1563

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AJ011607

<400> 1321

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att 1563
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<210> 1322

<211> 2244

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. AJ223184

<400> 1322

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<213> *Rattus norvegicus*

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<212> DNA

<213> *Rattus norvegicus*

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. D14989

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<212> DNA

<213> *Rattus norvegicus*

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<400> 1330

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<211> 2775

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. D16478

<400> 1331

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<210> 1332

<211> 1928

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. D16479

<400> 1332

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<211> 1500

<212> DNA

<213> Rattus norvegicus

<220>

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<211> 4469

<212> DNA

<213> Rattus norvegicus

<220>

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. D30666

<400> 1335

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<211> 855

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. D38061

<400> 1336

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. D38062

<400> 1337

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<210> 1338

<211> 1987

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. D38381

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<210> 1339

<211> 2573

<212> DNA

<213> *Rattus norvegicus*

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<223> Genbank Accession No. D42148

<400> 1339

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. D50695

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<213> Rattus norvegicus

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<212> DNA

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<223> Genbank Accession No. D63704

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c c g c g g g g g t   c g c g t g g t c a   a t g a t g a c t t   c t c a c a g g t g   g c c g a c g t g c   t a g t g g a g g a   180
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<223> Genbank Accession No. D85035

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<213> Rattus norvegicus

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<223> Genbank Accession No. D85183

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<213> Rattus norvegicus

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. D87991

<400> 1347

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<213> *Rattus norvegicus*

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<210> 1351

<211> 1872

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. E01524

<400> 1351

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<210> 1352

<211> 654

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. E02315

<400> 1352

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gaaatgatca gagaagcaga tattgatgga gacggacagg tcaactatga agaattcgta 540
cagatgatga ctgcaaaatg aagacctact ttcaactact tccccctct agaagaatca 600
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<210> 1353

<211> 1458

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. E03229



<400> 1353

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<210> 1354

<211> 3225

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. E03428

<400> 1354

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<210> 1355

<211> 355

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. H31144

<220>

<221> misc\_feature

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<223> n = a or c or g or t

<400> 1355

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caaacaggac	aagtactggg	gccgctgggg	tctccctcca	cacccggggc	ctggggccct	180
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canttacaag	atctaagacc	agccaagccc	gagttcacag	tgaagccaca	ggtcacattc	300
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<210> 1356

<211> 403  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
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<220>  
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 <223> n = a or c or g or t

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<210> 1357  
 <211> 283  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. H31620

<400> 1357  
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 gaaggtccca acctgattat caaacagccg gatgagttgc tggacagcat gtcagattgg 180  
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<210> 1358  
 <211> 438  
 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. H31813

<220>  
 <221> misc\_feature  
 <222> (1)..(438)  
 <223> n = a or c or g or t

<400> 1358  
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 gttaggggtg gatggacaag atctgagcga ttcctcttct ggaggaggga acgaacagtg 180  
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 cagaaggcaa gaggaagtaa caaactgaga ggagcggagg aggaggaaag cagttaagct 360  
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438

<210> 1359

<211> 275

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. H32584

<400> 1359

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ggcttttgc ttttgttggg gtgagagccc tagctcccag ctcccctcac actacctttt 180
gacactaaga cggaagggtt ctaagttgca ggaacaggat gaaaattctt tactaccctc 240
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<210> 1360

<211> 437

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. H32867

<220>

<221> misc\_feature

<222> (1)..(437)

<223> n = a or c or g or t

<400> 1360

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gcagccaggc gatgacgtgg tctccaatta cttcaccaaa ggcaagcgaa ggcaagcgct 360
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<210> 1361

<211> 396

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. H32977

<220>

<221> misc\_feature

<222> (1)..(396)

<223> n = a or c or g or t

<400> 1361

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gcatagctgt ggtatcacca tgctcgctct ccccgctccc aaggatggca ggacagggac 180
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atcagctttc caaaccaaac tgtcatcatt cattgctatc cctttcttta ccatttaaca 240
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```

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<210> 1362
<211> 381
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. H33219

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<220>
<221> misc_feature
<222> (1)..(381)
<223> n = a or c or g or t

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acgnctgac agtgatccc g 381

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<210> 1363
<211> 422
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. H33426

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<220>
<221> misc_feature
<222> (1)..(422)
<223> n = a or c or g or t

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<400> 1363
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335

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<211> 294

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. H34047

<220>

<221> misc\_feature

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<211> 419

<212> DNA

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<220>

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<220>

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<210> 1369

<211> 405

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. H34687

<220>

<221> misc\_feature

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<210> 1370

<211> 684

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. J00728

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<210> 1371

<211> 950

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. J00735

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 <212> DNA  
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<220>  
 <223> Genbank Accession No. J02962

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 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. J03190

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<211> 573

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. J03627

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<211> 1444

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. J03863

<400> 1375

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<210> 1376

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. J03914

<400> 1376

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<211> 1164

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. J04943

<400> 1377

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<211> 1362

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. K01721

<400> 1379

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<213> Rattus norvegicus

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<400> 1380

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<211> 959

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<213> Rattus norvegicus

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<223> Genbank Accession No. K01932

<400> 1381

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<211> 1389

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. K02814

<400> 1382

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<211> 685

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. L00320

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<210> 1384

<211> 2146

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. L07073

<400> 1384

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<212> DNA

<213> *Rattus norvegicus*

<220>

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<400> 1385

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. L16764

<400> 1386

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. L16995

<400> 1387

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<211> 494

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<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. L18948

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. L19698

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<211> 606

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. L22190

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<211> 1363

<212> DNA

<213> Rattus norvegicus

<220>

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<211> 2015

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. L24207

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<211> 2643

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. L25387

<400> 1393

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<211> 800

<212> DNA

<213> *Rattus norvegicus*

<220>

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<212> DNA

<213> *Rattus norvegicus*

<220>

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<213> *Rattus norvegicus*

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<212> DNA

<213> Rattus norvegicus

<220>

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<213> Rattus norvegicus

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<223> Genbank Accession No. M18527

<400> 1408

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. M83143

<400> 1425

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<211> 857

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. M83678

<400> 1426

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<210> 1427

<211> 1131

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. M86235

<400> 1427

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<211> 787

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. M86389

<400> 1428

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<210> 1429

<211> 2028

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. M95762



<400> 1429

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. M98820

<400> 1430

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<211> 419

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. R46985

<220>

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<222> (1)..(419)

<223> n = a or c or g or t

<400> 1431

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<210> 1432

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S46785

<400> 1432

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<210> 1433

<211> 601

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S56936

<400> 1433

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<210> 1434

<211> 603

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S56937

<400> 1434

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<210> 1435

<211> 195

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S69316

<400> 1435

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ttatgggtca caggaagaag tggttttttt agttgaattt ttttttttaa cattcctcct 180
gaatgtaaat ttgta 195

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<210> 1436

<211> 746

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S71021

<400> 1436

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<210> 1437

<211> 1052

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S72505

<400> 1437

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<210> 1438

<211> 1129

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. S72506

<400> 1438

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<210> 1439

<211> 1747

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. S76054

<400> 1439

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<210> 1440

<211> 1274

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. S82820

<400> 1440

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<210> 1441

<211> 1790

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. S85184

<400> 1441

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<210> 1442

<211> 2533

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U01344

<400> 1442

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<213> *Rattus norvegicus*

<220>

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<211> 1089

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U03390

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<220>

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<211> 2226

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U07201

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<213> Rattus norvegicus

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<213> *Rattus norvegicus*

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<213> Rattus norvegicus

<220>

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<213> Rattus norvegicus

<220>

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<210> 1462

<211> 1782

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U39208

<400> 1462

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<210> 1463

<211> 2746

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U48220

<400> 1463

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<211> 1384

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U49694

<400> 1464

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<210> 1465

<211> 1511

<212> DNA

<213> *Rattus norvegicus*



<220>

<223> Genbank Accession No. U55765

<400> 1465

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<210> 1466

<211> 1451

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U58466

<400> 1466

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<210> 1467

<211> 432

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U59184

<400> 1467

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<210> 1468

<211> 1201

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U60882

<400> 1468

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 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. U63923

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 <213> *Rattus norvegicus*

<220>  
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<212> DNA

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<220>

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U68168

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<211> 1051

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U72632

<220>

<221> misc\_feature

<222> (1)..(1051)

<223> n = a or c or g or t

<400> 1473

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<211> 1428

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U73174

<400> 1474

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<211> 178

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U75404

<400> 1475

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<210> 1476

<211> 187

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U75405

<220>

<221> misc\_feature

<222> (1)..(178)

<223> n = a or c or g or t

<400> 1476

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<210> 1477

<211> 3348

<212> DNA

<213> Rattus norvegicus

<220>

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<220>

<221> misc\_feature

<222> (1)..(3339)

<223> n = a or c or g or t

<400> 1477

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<210> 1478

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U77038

<400> 1478

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<211> 1038

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U77931

<400> 1479

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U83112

<400> 1480

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. U88036

<400> 1481

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<212> DNA

<213> Rattus norvegicus

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<210> 1483

<211> 624

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. U95001

<400> 1483

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<210> 1484

<211> 1574

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. V01225

<400> 1484

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tggtgtgata ttgccaagga atgtgagcgg tacttagcac ctaagggtt ttgggggggtg 180
caggtctctc caccatga aaatattata attaataatc catcaaggcc ttggtgggaa 240

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<210> 1485

<211> 735

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. X02904

<400> 1485

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<210> 1486

<211> 1592

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. X03369

<400> 1486

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<210> 1487

<211> 927

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. X05566

<400> 1487

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<210> 1488

<211> 696

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. X06423

<400> 1488

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<210> 1489

<211> 1495

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. X12459

<400> 1489

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<210> 1490

<211> 1422

<212> DNA

<213> *Rattus norvegicus*



<220>

<223> Genbank Accession No. X13016

<400> 1490

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<210> 1491

<211> 1627

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. X13058

<400> 1491

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<210> 1492

<211> 3037

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. X13722

<400> 1492

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<213> Rattus norvegicus

<220>

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<213> *Rattus norvegicus*

<220>

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<213> Rattus norvegicus

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<223> Genbank Accession No. X51615

<400> 1496

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<212> DNA

<213> *Rattus norvegicus*

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<223> Genbank Accession No. X53504

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<213> Rattus norvegicus

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<213> *Rattus norvegicus*

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<211> 2141

<212> DNA

<213> Rattus norvegicus

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<220>

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<213> Rattus norvegicus

<220>

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<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. X78949

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<213> Rattus norvegicus

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<223> Genbank Accession No. X81448

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<213> Rattus norvegicus

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<212> DNA

<213> *Rattus norvegicus*

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<212> DNA

<213> *Rattus norvegicus*

<220>

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. X98517

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<213> *Rattus norvegicus*

<220>

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<210> 1524

<211> 1711

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Y09333

<400> 1524

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<210> 1525

<211> 1614

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. Y12635

<400> 1525

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<210> 1526

<211> 1632

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. Y15068

<400> 1526

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<210> 1527

<211> 1366

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Z27118

<400> 1527

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<210> 1528

<211> 1634

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Z48225

<400> 1528

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<210> 1529

<211> 1067

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Z49761

<400> 1529

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<210> 1530

<211> 707

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. Z75029

<400> 1530

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<210> 1531

<211> 4595

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_012488

<400> 1531

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<211> 1954

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_012545

<400> 1542

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<210> 1543

<211> 3112

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_012551

<400> 1543

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_012571

<400> 1545

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<212> DNA

<213> Rattus norvegicus

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<400> 1546

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_012580

<400> 1547

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<210> 1548

<211> 2352

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_012588

<400> 1548

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<210> 1549

<211> 1605

<212> DNA

<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM\_012597

<400> 1549

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<210> 1550

<211> 1761

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_012600

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<220>  
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<220>

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<213> *Rattus norvegicus*

<220>

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<213> Rattus norvegicus

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<212> DNA

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_012789

<400> 1570

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_012792

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<211> 924

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_012793

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<211> 1258

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_012796

<400> 1573

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<212> DNA

<213> Rattus norvegicus

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<212> DNA

<213> Rattus norvegicus

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<400> 1575

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<213> *Rattus norvegicus*

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<213> Rattus norvegicus

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_012880

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<212> DNA

<213> *Rattus norvegicus*

<220>

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<400> 1582

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<212> DNA

<213> *Rattus norvegicus*

<220>

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<400> 1583

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<212> DNA

<213> *Rattus norvegicus*

<220>

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<213> *Rattus norvegicus*

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<400> 1587

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<213> *Rattus norvegicus*

<220>

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<213> *Rattus norvegicus*

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_012967

<400> 1590

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<213> Rattus norvegicus

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<400> 1591

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

<220>

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<213> *Rattus norvegicus*

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM\_013052

<400> 1596

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<213> Rattus norvegicus

<220>

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<213> *Rattus norvegicus*

<220>

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<220>  
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<212> DNA

<213> *Rattus norvegicus*

<220>

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 <212> DNA  
 <213> Rattus norvegicus

<220>  
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<212> DNA

<213> Rattus norvegicus

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<211> 1500

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_013144

<400> 1608

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM\_013154

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 <213> Rattus norvegicus

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<400> 1610

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<211> 1911

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<213> Rattus norvegicus

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<223> Genbank Accession No. NM\_013185

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_013198

<400> 1612

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<210> 1613

<211> 2826

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_013200

<400> 1613

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<210> 1614
<211> 1523
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. NM_013214

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<211> 1272
<212> DNA
<213> Rattus norvegicus

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<220>
<223> Genbank Accession No. NM_013215

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<210> 1616

<211> 1088

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_013216

<400> 1616

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<210> 1617

<211> 1866

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_016986

<400> 1617

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<210> 1618

<211> 4269

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_016987

<400> 1618

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<220>  
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 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
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<210> 1626

<211> 1663

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017047

<400> 1626

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<210> 1627

<211> 1492

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_017051

<400> 1627

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<210> 1628

<211> 966

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_017060

<220>

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<223> n = a or c or g or t

<400> 1628

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<210> 1629

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<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017073

<400> 1629

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<211> 1743

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017074

<400> 1630

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 <212> DNA  
 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. NM\_017075

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 <213> Rattus norvegicus

<220>  
 <223> Genbank Accession No. NM\_017076

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<211> 988

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017084

<400> 1633

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<210> 1634

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<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_017096

<400> 1634

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<210> 1635

<211> 838

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_017126

<400> 1635

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<211> 2540

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_017127

<400> 1636

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<210> 1637

<211> 1039

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017147

<400> 1637

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<210> 1638

<211> 801

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_017160

<400> 1638

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<210> 1639

<211> 1679

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_017177

<400> 1639

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<210> 1640

<211> 1386

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_017181

<400> 1640

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<210> 1641

<211> 1072

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_017187

<400> 1641

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<210> 1642

<211> 1290

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017189

<400> 1642

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<210> 1643

<211> 1828

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017193

<400> 1643

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<210> 1644

<211> 2622

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017208

<400> 1644

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<211> 1176

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017220

<400> 1645

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<211> 2227

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_017224

<400> 1646

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<220>  
<223> Genbank Accession No. NM\_017259

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<212> DNA  
<213> Rattus norvegicus

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<223> Genbank Accession No. NM\_017274

<400> 1648

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<211> 1174

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM\_017278

<400> 1649

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<211> 852

<212> DNA

<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM\_017279

<400> 1650

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<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM\_017281

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<212> DNA

<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM\_017282

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<210> 1653

<211> 932

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017283

<400> 1653

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_017288

<400> 1654

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<210> 1655

<211> 1879

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_017300

<400> 1655

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<210> 1656

<211> 796

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017309

<400> 1656

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gcgtggagga gttcatgtct ctgcctgagt tacaacagaa cccttttagt cagcgggtca 240
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gtttgaggcc atggtg

796

<210> 1657

<211> 2068

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017327

<400> 1657

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<210> 1658

<211> 436

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_017334

<400> 1658

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gccacaggtg acatgccaac ttaccagatc cgagctccta ctactgcttt gccacaaggt 180
gtggtgatgg ctgcctcacc aggaagcctg cacagtcctc agcaactagc agaagaagca 240
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cgaaagaaag agtatgtcaa gtgtcttgag agtcgagtcg cagtgtgga agttcagaac 360
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tagaaatatt taacta 436

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<210> 1659

<211> 722

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_019165

<400> 1659

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<210> 1660

<211> 1018

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_019170

<400> 1660

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gatcgtacgt gatctctgtc gtaaattctt gggggacgtg gtcttcacgg cgcgggacga 180
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<210> 1661  
 <211> 1856  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. NM\_019184

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<210> 1662  
 <211> 1192  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. NM\_019190

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<210> 1663

<211> 2794

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_019192

<400> 1663

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gcaagctcca	ccctggaaca	taggagatca	aatccaatg	ctaaactccg	agggcagagt	180
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<211> 3726

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_019229

<400> 1667

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<210> 1668

<211> 1547

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM\_019237

<400> 1668

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<210> 1669

<211> 1662

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM\_019238

<400> 1669

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<211> 1736

<212> DNA

<213> Rattus norvegicus

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<223> Genbank Accession No. NM\_019242

<400> 1670

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_019262

<400> 1671

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<210> 1672

<211> 1940

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_019283

<400> 1672

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<210> 1673

<211> 1430

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_019289

<400> 1673

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<210> 1674  
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 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. NM\_019290

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<210> 1675  
 <211> 1459  
 <212> DNA  
 <213> *Rattus norvegicus*

<220>  
 <223> Genbank Accession No. NM\_019291

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<210> 1676

<211> 988

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_019292

<400> 1676

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<210> 1677

<211> 1201

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_019293

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<210> 1678
<211> 1768
<212> DNA
<213> Rattus norvegicus

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<210> 1679

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 <212> DNA  
 <213> Rattus norvegicus

<220>  
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 <213> Rattus norvegicus

<220>  
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<211> 1932

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_019359

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<211> 1395

<212> DNA  
<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_019905

<400> 1682

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<212> DNA

<213> Rattus norvegicus

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<400> 1683

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<220>  
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<211> 1574

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_021577

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<210> 1686

<211> 1733

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_021593

<400> 1686

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<210> 1687

<211> 2106

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_021653

<400> 1687

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<210> 1688

<211> 2413

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_021750

<400> 1688

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<210> 1689

<211> 1980

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_021754

<400> 1689

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<210> 1690

<211> 1545

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_021757

<400> 1690

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<210> 1691

<211> 1035

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_021836

<400> 1691

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<210> 1692

<211> 1752

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_021852

<400> 1692

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<210> 1693

<211> 537

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_022194

<400> 1693

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<213> Rattus norvegicus

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<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_022284

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<211> 940

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_021909

<400> 1701

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<212> DNA

<213> *Rattus norvegicus*

<220>

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<213> Rattus norvegicus

<220>  
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a t t c t g a c a t t t g g g a t g a t a c a g c a t t g a t a a a a g c t t a c g a t a a a g c c g t g g c c t c c t 180  
t t a a g c a t g c t c t a a a g a a c g g t g a c a t g t g t g a a a c t t c a g a t a a g c c a a a g g c a c a g 240  
c t a g a a g a a a a c c t g c t a a g a a g a a t a a a a a c c a a a a g a a g a a t g c c a c a g c t c c a t t g a 300  
a a c a g t g g a a a g c t g g t g a c a a a t g c t c t g c c g t t t g g t c g g a a g a t g g c t g c g t t t a c c 360  
c a g c t a c c a t c a c g t c a g t t g a c c t t a a g a g a a a c c t g t g t c g t g g t t a t a c t g g a t 420  
a t g g a a a c a a a g a g g a g c a a a a c c t a t c t g a t c t g c t t t c c c g a c c t g t g a a g t a g c t a 480  
a c a a t a c a g a c a g a a c a c t c a g g a g a a t g a a g c c a a g t t t c c a c a g a c g a c a g t g a a c 540  
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c a a a t t a a g a g t t c a g c t c t c t c c c a a g g a g a t g g t t t g t t g g t g t c c c t g g t c g a t a a 960  
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<211> 2183  
<212> DNA  
<213> Rattus norvegicus

<220>  
<223> Genbank Accession No. NM\_022542

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<211> 3719

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_022543

<400> 1705

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<211> 1999

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_022584

<400> 1706

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<211> 2098

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_022592

<400> 1707

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<211> 2748

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_022667

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<210> 1709

<211> 466

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_022697

<400> 1709

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<220>

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<220>  
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<211> 1992

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_022936

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<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_022949

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<211> 1495

<212> DNA

<213> Rattus norvegicus

<220>

<223> Genbank Accession No. NM\_022960

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<211> 1408

<212> DNA

<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM\_024125

<400> 1719

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<220>  
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 <213> Rattus norvegicus

<220>  
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<211> 806

<212> DNA

<213> Rattus norvegicus

<220>

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<223> Genbank Accession No. NM\_024148

<400> 1723

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<212> DNA

<213> *Rattus norvegicus*

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<223> Genbank Accession No. NM\_024152

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<210> 1725

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<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_024159

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<213> Rattus norvegicus

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<223> Genbank Accession No. NM\_024163

<400> 1726

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<213> Rattus norvegicus

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<211> 2789

<212> DNA

<213> *Rattus norvegicus*

<220>

<223> Genbank Accession No. NM\_012894

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<212> DNA

<213> *Rattus norvegicus*



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<213> Rattus norvegicus

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<213> Rattus norvegicus

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<213> Rattus norvegicus

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